Author Index to Volume 249 July-September 1990

Aaronson, Stuart A.: review of Oncogenes and the Molecular Origins of Cancer, edited by Robert A. Weinberg. p1177 7 Sep 1990.

Abate, Cory; Patel, Lekha; Rauscher, Frank J., III; Curran, Tom: Redox regulation of Fos and Jun DNA-binding activity in vitro. p1157 7 Sep 1990.

Abelson, John: Directed evolution of nucleic acids by independent replication and selection.

p488 3 Aug 1990.

; Atkinson, Richard C.; Davidson, Richard L.; Dulbecco, Renato; Friedkin, Morris E.; Palade, George E.; Seegmiller, J. Edwin; Simon, Melvin I.; Steinberg, Daniel: PNAS paper: rules and standard practice (letter). p1358 21 Sep 1990.

Abelson, Philip H. (editorials): Dialog on the future of agriculture. p457 3 Aug 1990. Global change. p1085 7 Sep 1990. Hybrid corn. p837 24 Aug 1990. The need to improve the image of chemistry. p225 20 July 1990. Sensors, computers, and actuators. p9 6 July 1990. Testing for carcinogens with rodents. p1357 21 Sep 1990.

Abogadie, Fe C. See Olivera, Baldomero M. Abraham, Farid F. and Nelson, David R.: Diffraction from polymerized membranes. p393 27 July 1990.

Ainley, David G.: Pseudo skua? (letter). p972 31 Aug 1990.

Akaogi, M. See Ito, E.

Aki, Keith. See Li, Yong-Gang.

Aleo, Joseph J.: The overhead question (letter). p12 6 July 1990.

Altman, Sidney. See Forster, Anthony C.

Alvarez-Buylla, Arturo; Kirn, John R.; Nottebohm, Fernando: Birth of projection neurons in adult avian brain may be related to perceptual or motor learning. p1444 21 Sep 1990. Ames, Bruce N. and Gold, Lois Swirsky: Too

many rodent carcinogens: mitogenesis increases mutagenesis. p970 31 Aug 1990. Ampe, Christophe. See Weeks, Kevin M.

Amster-Choder, Orna and Wright, Andrew: Regulation of activity of a transcriptional antiterminator in E. coli by phosphorylation in vivo. p540 3 Aug 1990.

Andersen, Lone B. See Wallace, Margaret R. Anderson, Daniel H. See Hill, Christopher P. Anderson, Duwayne M.: Cold fusion at Texas A&M (letter). p463 3 Aug 1990.

Anderson, Robert S.: Evolution of the northern Santa Cruz mountains by advection of crust past a San Andreas fault bend. p397 27 July 1990.

Angell, C. A. See Green, J. L. Aoki, Nobuo. See Lefer, Allan M. Applegate, B. See King, J. M. H.

Armstrong, Regina C. See Watkins, Brynmor A. Arp, Halton: Discordant observations (letter). p611 10 Aug 1990.

Ashwell, Jonathan D. See Frank, Stuart T. Atkinson, Richard C. See Abelson, John.

Azrolan, Neal. See Ito, Yasushi. Babcock, Horace W.: Adaptive optics revisited. p253 20 July 1990.

Baker, R. G. See Chumbley, C. A.

Baker, Suzanne J.; Markowitz, Sanford; Fearon, Eric R.; Willson, James K. V.; Vogelstein, Bert: Suppression of human colorectal carcinoma cell growth by wild-type p53. p912 24 Aug

Baldwin, Robert L. See Hughson, Frederick M. Bales, G. Steven; Bruinsma, Robijn; Eklund, Elliott A.; Karunasiri, R. P. U.; Rudnick, Joseph; Zangwill, Andrew: Growth and erosion of thin solid films. p264 20 July 1990.

Barinaga, Marcia (news): Bottom-up revolution in science teaching, p978 31 Aug 1990. Doing a dirty job—the old-fashioned way, p356 27 July 1990. Eco-quandary: what killed the skuas? p243 20 July 1990. Howard Schachman fights retirement. p1235 14 Sep 1990. The mind revealed? p856 24 Aug 1990. A muted victory for the biotech industry. p239 20 July 1990. Science digests the secrets of voracious killer snails. p250 20 July 1990. Barker, Clyde F. See Posselt, Andrew M.

Barker, Robert: The overhead question (letter).

pl1 6 July 1990.

Barker, Winona C.; Hunt, Lois T.; Tsibris, John C. M.; Spellacy, William N.: HIP-70: an isoform of phosphoinositol-specific phospholipase C-α (technical comment). p566 3 Aug 1990. Barnham, Keith W. J.: Females at work (letter).

p1359 21 Sep 1990. Barrere, Bernard. See De Cock, Kevin M. Bartow, Thomas. See Weisman, Harlan F.

Basu, Atanu and Frazer, L. Neil: Rapid determination of the critical temperature in simulated annealing inversion. p1409 21 Sep 1990. Bateman, Richard M.: Balancing American lin-

guists (letter). p1228 14 Sep 1990. Bax, Ad. See Kay, Lewis E.

Beering, Steven C. and Rosenzweig, Robert M.: The overhead question (letter). p10 6 July

1990

Beeson, Mary. See Stein, Gretchen H. Benedetti, Piero. See Ostrander, Elaine A. Benkovic, Stephen J. See Iverson, Brent L. Bennet, Albert F. See Walton, Michael. Benoist, Christophe. See Böhme, Jan. Bergfors, T. See Rouvinen, J.

Bergman, Hagai; Wichmann, Thomas; DeLong, Mahlon R.: Reversal of experimental parkinsonism by lesions of he subthalamic nucleus. p1436 21 Sep 1990.

Berman, Arthur I.: Biomass: renewable energy (letter). p1228 14 Sep 1990.

Berndt, Michael C. See Gamble, Jennifer R. Berner, Robert A.: Atmospheric carbon dioxide levels over Phanerozoic time. p1382 21 Sep

Besmann, Theodore M.: Electricity use (letter). p843 24 Aug 1990.

Betancourt, Julio L. See Swetnam, Thomas W. Bettis, E. A., III. See Chumbley, C. A. Bevilacqua, Michael P. See Freedman, Arnold S.

Birnbaumer, L. See Yatani, A. Blackburn, Elizabeth H.: Telomeres and their

synthesis. p489 3 Aug 1990. Bliss, T. V. P.: Long-term potentiation (letter).

p973 31 Aug 1990. Bloch, Erich: Education and human resources at the National Science Foundation. p839 24 Aug

Bockris, J. O'M.: Cold fusion at Texas A&M (letter). p463 3 Aug 1990. Bode, Wolfram. See Rydel, Timothy J.

Bodkin, Dinah K.: Young scientists and the future (letter). p1485 28 Sep 1990.
Boelens, Rolf. See Härd, Torleif.

Böhme, Jan; Schuhbaur, Brigitte; Kanagawa, Osami; Benoist, Christophe; Mathis, Diane: MHC-linked protection from diabetes dissociated from clonal deletion of T cells. p293 20

Bolognesi, Dani P. See LaRosa, Gregory J. Bonifacino, Juan S. See Manolios, Nicholas. Bor, Marta. See Sandberg, Kathryn.

Born, Willi; Hall, Lisa; Dallas, Angela; Boymel, Joel; Shinnick, Thomas; Young, Douglas; Brennan, Patrick; O'Brien, Rebecca: Recognition of a peptide antigen by heat shock-reactive

γδ T lymphocytes. p67 6 July 1990. Borrow, Julian; Goddard, Audrey D.; Sheer, Denise; Solomon, Ellen: Molecular analysis of the acute promyelocytic leukemia breakpoint cluster region on chromosome 17. p1577 28 Sep 1990.

Boswell, R. Neal. See LaRosa, Gregory J. Boulter, Jim; Hollmann, Michael; O'Shea-Green-

field, Anne; Hartley, Melissa; Deneris, Evan; Maron, Cornelia; Heinemann, Stephen: Molecular cloning and functional expression of glutamate receptor subunit genes. p1033 31 Aug 1990.

Boulton, Teri G.; Yancopoulos, George D.; Gregory, Jill S.; Slaughter, Clive; Moomaw, Carolyn; Hsu, Joan; Cobb, Melanie H.: An insulin-stimulated protein kinase similar to yeast kinases involved in cell cycle control. p64 6 July 1990.

Bourne, Henry R. See Lyons, John. Bowman, Joel M. See Michael, Joe V.

Boyer, Paul D.: The overhead question (letter). p12 6 July 1990.

Boyle, Edward A.: Quaternary deepwater paleoceanography. p863 24 Aug 1990. Boyle, Michael P. See Weisman, Harlan F.

Boymel, Joel. See Born, Willi. Brancazio, Peter J.: review of The Mathematics of Projectiles in Sport, by Neville de Mestre. p1447 21 Sep 1990.

Bredt, David S. See Hwang, Paul M. Brennan, Patrick. See Born, Willi. Brereton, Anne. See Wallace, Margaret R. Breslow, Jan L. See Ito, Yasushi.

Briefings (news): Abstract attack turns into a war. p1242 14 Sep 1990. Academy tries no-fault defense. p1375 21 Sep 1990. Advanced pho-tons. p21 6 July 1990. AID aids AIDS efforts with new syringes. p20 6 July 1990. Another temperature record ... rises. pl103 7 Sep 1990. Arctic science gets organized. p1243 14 Sep 1990. Army decontaminant gets washed up. p359 27 July 1990. Bick replacement named. p475 3 Aug 1990. Biologists madly fax a cool new journal. p1102 7 Sep 1990. Blocking the backdaters. p1499 28 Sep 1990. Chinese still coming. p475 3 Aug 1990. Chronic leaks plague shuttle science. p1498 28 Sep 1990. Cold unit takes a powder. p854 24 Aug 1990. Comings & goings. p244 20 July 1990. Congress cites Agent Orange coverup. p982 31

Aug 1990. Correction. p121 13 July 1990. Crimebusters vs. cyberpunks. p245 20 July 1990. Culture clash over next NSF head? p737 17 Aug 1990. Director contenders just say no to NIH. p20 6 July 1990. DOE delays reporting the cost of the SSC. p854 24 Aug 1990. Doing science at the gates of hell. p475 3 Aug 1990. A dust buster for space. p623 10 Aug 1990. East German Academy in peril. p245 20 July 1990. Economist to head IIASA. p855 24 Aug 1990. End of monkey saga? p121 13 July 1990. English physics hits the fat farm. p21 6 July 1990. Fauci gets softer on activists. p244 20 July 1990. FDA gets a new boss. p1499 28 Sep 1990. FDA panel splits decision on drugs. p622 10 Aug 1990. Federal scientists' unwanted vacations. p1243 14 Sep 1990. Feds hush up a bum bomb detector. p1498 28 Sep 1990. A fishy kind of pollution detector. p983 31 Aug 1990. Former Gallo aide faces felony charges. p623 10 Aug 1990. Four mathematicians win Field medals. p982 31 Aug 1990. Free software "genius" honored. p358 27 July 1990. From crackhouse to freakhouse. p982 31 Aug 1990. Gallo inquiry: NAS panel wants in. p120 13 July 1990. Getting stoned the healthy way. p120 13 July 1990. Good times for Santa Fe think tank. p854 24 Aug 1990. Goring sacred cows for education reform. p1242 14 Sep 1990. Gulf slick a free lunch for bacteria. p120 13 July 1990. Harvard trades debt for scholars. p854 24 Aug 1990. Hawking appeals for handicapped. p245 20 July 1990. The hazards of backyard archeology. p1242 14 Sep 1990. House prunes genome budget. p622 10 Aug 1990. Housecleaning for NASA? p737 17 Aug 1990. How to save endangered species. p20 6 July 1990. Hubble sees a supernova. p1374 21 Sep 1990. Human deathtraps for mosquitoes. p1499 28 Sep 1990. Hyping laser angioplasty. p1374 21 Sep 1990. Leonardo's secret: cat naps. p244 20 July 1990. Lizzie, queen of Scots. p855 24 Aug 1990. (Male) chemists in clover. p358 27 July 1990. Modest proposal for budget woes. p121 13 July 1990. More delays for shuttle space science. p1243 14 Sep 1990. The NASA vegematic. p21 6 July 1990. New brain journal. p359 27 July 1990. New director for Canadian science. p1102 7 Sep 1990. A new fight over fetal tissue? p983 31 Aug 1990. New prenatal test. p121 13 July 1990. NIH adjusts attitudes toward women. p1374 21 Sep 1990. NIH's top ten. p358 27 July 1990. North Carolina goes "sooie" p244 20 July 1990. Ocean video. p855 24 Aug 1990. Old museum seeks new eminence. p358 27 July 1990. Out of China . . . and now back in. p1498 28 Sep 1990. Oxford physicists undergo fusion. p623 10 Aug 1990. PNAS bars papers from UC geneticist. p622 10 Aug 1990. Potential Nobel competitor. p737 17 Aug 1990. Primate find surprises biologists. p20 6 July 1990. Recombinant vaccine finally gets a chance. p982 31 Aug 1990. Relman hands over the reins at NEJM. p622 10 Aug 1990. Report worries that sun is setting on British research. p737 17 Aug 1990. Retraining the cranes. p1498 28 Sep 1990. Richest U.S. science prize. p1375 21 Sep 1990. Rising Japanese productivity. p244 20 July 1990. A round of applause (sort of) for EOS. p983 31 Aug 1990. Salahuddin pleads guilty. p1374 21 Sep 1990. Science conduct: do the right thing. p623 10 Aug 1990. Science misconduct legalese thickens. p1102 7 Sep 1990. Sellers' market looms for professors. p854 24 Aug 1990. The sin of rivalry. p1242 14 Sep 1990. Social and anti-social science. p1375 21 Sep 1990. Solar

showers in Massachusetts. p1103 7 Sep 1990. Spidery trompe l'oeuil. p359 27 July 1990. Stone to head JPL. p359 27 July 1990. Taxes on black stuff could be green. p622 10 Aug 1990. Testing for HIV in urine. p121 13 July 1990. Three Mile Island "turns around" p21 6 July 1990. Universes in a grain of sand. p1102 7 Sep 1990. University bars pioneer grants. p1103 7 Sep 1990. Updated gene tome. p359 27 July 1990. Use of job test curbed. p244 20 July 1990. Voice lessons for psychotics. p1499 28 Sep 1990 Weed genes. p21 6 July 1990. Yet another job for Wyngaarden. p475 3 Aug 1990.

Brochard-Wyart, Françoise. See Quéré, David. Broder, Samuel. See Mitsuya, Hiroaki.

Broderick, W. E.; Thompson, J. A.; Day, E. P.; Hoffman, B. M.: A molecular ferromagnet with a Curie temperature of 6.2 Kelvin: [Mn(C₅(CH₃)₅)₂]⁺[TCNQ]⁻. p401 27 July 1990.

Brookshaw, Leigh. See Chyba, Christopher F. Brown, A. M. See Yatani, A.

Brownstein, Bernard H. See Wallace, Margaret R. Bruinsma, Robijn. See Bales, G. Steven. Bryant, Bruce P. See Restrepo, Diego.

Buonomano, Dean V. and Byrne, John H.: Longterm synaptic changes produced by a cellular analog of classical conditioning in *Aplysia*. p420 27 July 1990.

Burakoff, Steven J. See Finberg, Robert W. Burlage, R. See King, J. M. H.

Burnashev, Nail. See Sommer, Bernd. Burnett, D. M. See Wafford, K. A.

Burns, Michael M.; Fournier, Jean-Marc; Golovchenko, Jene A.: Optical matter: crystallization and binding in intense optical fields. p749 17 Aug 1990.

Busarow, K. L. See Schmuttenmaer, C. A. Bushman, Frederic D.; Fujiwara, Tamio; Craigie, Robert: Retroviral DNA integration directed by HIV integration protein in vitro. p1555 28 Sep 1990.

Buttry, Daniel A. See Ward, Michael D. Byrne, John H. See Buonomano, Dean V.

C

Calford, Michael B. and Tweedale, Rowan: Interhemispheric transfer of plasticity in the cerebral cortex. p805 17 Aug 1990.

Capo, R. C. and DePaolo, D. J.: Seawater strontium isotopic variations from 2.5 million years ago to the present. p51 6 July 1990.

Carew, James L.: "Purposeful" evolution (letter). p843 24 Aug 1990.

Carlstedt-Duke, Jan. See Härd, Torleif. Carnahan, C. L.: Unscrambling an egg (letter).

Carnahan, C. L.: Unscrambling an egg (letter) p228 20 July 1990.
Carpenter, Graham. See Todderud, Gordon.

Carrow, Grant M.: Affordability of science (letter). p843 24 Aug 1990. Carson, Gerald R. See Weisman, Harlan F.

Carter, Daniel C. and He, Xiao-min: Structure of human serum albumin (technical comment). p302 20 July 1990.

Caskey, C. Thomas. See Corbo, Laura. Catt, Kevin J. See Sandberg, Kathryn. Cevc, G.; Fenzl, W.; Sigl, L.: Surface-induced x-

Cevc, G.; Fenzl, W.; Sigl, L.: Surface-induced xray reflection visualization of membrane orientation and fusion into multibilayers. p1161 7 Sep 1990.

Ceyer, Sylvia T.: New mechanisms for chemistry at surfaces. p133 13 July 1990.

Chambers, R. G.: U.K. physics proposal (letter). p1359 21 Sep 1990. Chambers, William H. See Giorda, Roberto.

Chambers, William H. See Giorda, Roberto. Chan, Marion Man-Ying and Fong, Dunne: Inhibition of leishmanias but not host macrophages by the antitubulin herbicide trifluralin. p924 24 Aug 1990.

Chang, David D. and Sharp, Phillip A.: Messenger RNA transport and HIV rev regulation. p614 10 Aug 1990.

Chanowitz, Michael S.: The Z boson. p36 6 July

Chardin, Pierre. See Frech, Matthias.

Chazenbalk, Gregorio D. See Wadsworth, Harry

Cherfas, Jeremy (news): Chronic fatigue as chameleon. p1240 14 Sep 1990. Europe: bovine growth hormone in a political maze. p852 24 Aug 1990. Fang Lizhi: "thinking" his way to freedom. p354 27 July 1990. Mad cow disease: uncertainty rules. p1492 28 Sep 1990. Molecular biology lies down with the lamb. p124 13 July 1990. Proton microbeam probes the elements. p1500 28 Sep 1990. U.K. science responds to terror. p981 31 Aug 1990. U.K. vaccine trial: stalking horse for the future. p626 10 Aug 1990.

Chiancone, Emilia. See Royer, William E., Jr. Cho, Arthur K.: Ice: a new dosage form of an old drug. p631 10 Aug 1990.

Choti, Michael A. See Posselt, Andrew M.
Chumbley, C. A.; Baker, R. G.; Bettis, E. A., III:
Midwestern Holocene paleoenvironments revealed by floodplain deposits in northeastern Iowa. p272 20 July 1990.
Chyba, Christopher F.; Thomas, Paul J.; Brook-

Chyba, Christopher F.; Thomas, Paul J.; Brookshaw, Leigh; Sagan, Carl: Cometary delivery of organic molecules to the early earth. p366 27 July 1990.

Cipra, Barry (news): Computer viruses—eternal plague. p1381 21 Sep 1990. A new wave in applied mathematics. p858 24 Aug 1990.

Clark, Craig. See Olivera, Baldomero M. Clark, Orlo H. See Lyons, John.

Clark, Robin. See Frech, Matthias. Clarke, Michael F. See Weber, Barbara L.

Clore, G. Marius. See Kay, Lewis E. Cobb, Melanie H. See Boulton, Teri G.

Cochran, Andrea G. and Schultz, Peter G.: Antibody-catalyzed porphyrin metallation. p781 17 Aug 1990.

Codina, J. See Yatani, A. Coetzee, Gerhard A. See Rideout, William M.,

Coffman, Clark; Harris, William; Kintner, Chris: Xotch, the Xenopus homolog of Drosophila Notch. p1438 21 Sep 1990.

Cohen, Jonathan D. See Servan-Schreiber, David. Cohen, Jon (news): Will AIDS conference migrate?: p1495 28 Sep 1990.

Cohen, R. C. See Schmuttenmaer, C. A. Cohen, Samuel M. and Ellwein, Leon B.: Cell proliferation in carcinogenesis. p1007 31 Aug 1990.

Collins, Francis S. See Wallace, Margaret R. Collins, J. G.: Terrorism and animal rights (letter), p345 27 July 1990.

ter). p345 27 July 1990.
Colomer, Ramon. See Lupu, Ruth.
Concino, Michael F. See Weisman, Harlan F.

Concino, Michael F. See Weisman, Harlan F. Contente, Sara; Kenyon, Kaylene; Rimoldi, Donata; Friedman, Robert M.: Expression of gene rrg is associated with reversion of NIH 3T3 transformed by LTR-c-H-ras. p796 17 Aug 1990.

Cooksy, A. L. See Heath, J. R. See also Schmuttenmaer, C. A.

Copmann, Thomas L.: Orphan Drug Act (letter). p346 27 July 1990.

Corbo, Laura; Maley, Julie A.; Nelson, David L.; Caskey, C. Thomas: Direct cloning of human transcripts with HnRNA from hybrid cell lines. p652 10 Aug 1990. Corpuz, Gloria P. See Olivera, Baldomero M. Craigie, Robert. See Bushman, Frederic D. Crawford, Mark (news): Fusion panel drafts a wish list for the '90s. p119 13 July 1990. SSC cost estimates climb. p473 3 Aug 1990.

Crease, Robert P. (news): Millimeter astronomers push for new telescope. p1504 28 Sep

1990

Crim, F. Fleming: State- and bond-selected unimolecular reactions. p1387 21 Sep 1990. Crothers, Donald M. See Weeks, Kevin M. Crouch, Robert J. See Yang, Wei.

Cruz, Lourdes J. See Olivera, Baldomero M. Culliton, Barbara J. (news): ADA gene therapy enters the competition. p975 31 Aug 1990. A decade of discussion. p240 20 July 1990. Gene therapy: into the home stretch. p974 31 Aug 1990. The ideal scientist described. p355 27 July 1990. Immunity in return for due process. p241 20 July 1990. Laskers back for 1991. p1241 14 Sep 1990. NIH director: sixth time lucky? p1101 7 Sep 1990. NIH misconduct probes draw legal complaints. p240 20 July 1990.

Culotta, Elizabeth (news): Scientists protest museum cuts. p619 10 Aug 1990.

Curran, Tom. See Abate, Cory

Custer, Jay F.: Linguistics and the earliest Americans (letter). p345 27 July 1990. Czyzyk, Linda. See Guastella, John.

D Dago-Akribi, Augustin. See De Cock, Kevin M.

Dahlman, Karin. See Härd, Torleif. Dallas, Angela. See Born, Willi. Davide, Joseph P. See LaRosa, Gregory J. Davidson, Norman. See Guastella, John. Davidson, Richard L. See Abelson, John. Davis, Bernard D.: The human genome and other initiatives. p342 27 July 1990. Davis, Mark M. See Lin, Augustine Y. Day, E. P. See Broderick, W. E. Dean, Antony M. See Hurley, James H.

and Koshland, Daniel E., Jr.: Electrostatic and steric contributions to regulation at the active site of isocitrate dehydrogenase. p1044

31 Aug 1990.

DeAngelis, Gregory C. See Ohzawa, Izumi. De Cock, Kevin M.; Barrere, Bernard; Diaby, Lacina; Lafontaine, Marie-France; Gnaore, Emmanuel; Porter, Anne; Pantobe, Daniel; Lafontant, Georges C.; Dago-Akribi, Augustin; Ette, Marcel; Odehouri, Koudou; Heyward, William L.: AIDS—the leading cause of adult death in the West African city of Abidjan, Ivory Coast. p793 17 Aug 1990. DeGrado, William F. See Hill, Christopher P. See

also O'Neil, Karyn T.

DeJong, E. See Polvani, L. M.

DeLong, Mahlon R. See Bergman, Hagai. Demotz, Stéphane; Grey, Howard M.; Sette, Allesandro: The minimal number of class II MHC-antigen complexes needed for T cell activation. p1028 31 Aug 1990. Deneris, Evan. See Boulter, Jim.

DePaolo, D. J. See Capo, R. C. Dervan, Peter B. See Strobel, Scott A.

Deutsch, J. A. and Ramachandran, V. S.: Binocular depth reversals despite familiarity cues: an artifact? (technical comment). p565 3 Aug 1990

Devaux, Brigitte. See Lin, Augustine Y. Devlin, B.; Risch, Neil; Roeder, Kathryn: Forecasting damaging earthquakes in the central and eastern United States. p1412 21 Sep 1990. Devlin, James J.; Panganiban, Lucy C.; Devlin, Patricia E.: Random peptide libraries: a source

of specific protein binding molecules. p404 27 July 1990. Devlin, Patricia E. See Devlin, James J.

Diaby, Lacina. See De Cock, Kevin M. Diamond, David C. See Finberg, Robert W. Diamond, Marc I.; Miner, Jeffrey N.; Yoshinaga, Steven K.; Yamamoto, Keith R.: Transcription factor interactions: selectors of positive or negative regulation from a single DNA element. p1266 14 Sep 1990.

Diez, Emilio. See Gupta, Sunil K. DiGrazia, P. M. See King, J. M. H.

Dilworth, Constance: review of Pions to Quarks, edited by Laurie M. Brown, Max Dresden, and Lillian Hoddeson. p426 27 July 1990. di Meglio, Jean-Marc. See Quéré, David.

Dingledine, Raymond. See McBain, Chris J. Dittami, John. See Gwinner, Eberhard. Dixon, Jack E. See Guan, Kunliang Dodge, Deborah E. See Persing, David H. Dorn, Henry H. See Watkins, Brynmor A. Dorn, Ronald V., III: Neutron capture therapy (letter). p227 20 July 1990.

Dreesman, Gordon R. See LaRosa, Gregory J. Dresden, M.: review of Dirac, by Helge Kragh. p937 24 Aug 1990.

Dubois-Dalcq, Monique. See Watkins, Brynmor

Duh, Quan-Yang. See Lyons, John. Dulbecco, Renato: The Salk Institute and elsewhere (letter). p1092 7 Sep 1990. See also Abelson, John.

Dunbar, P. See King, J. M. H. Dunwiddie, T. V. See Wafford, K. A. Durben, D. J. See Green, J. L.

Dusheck, Jennie (news): Female primatologists confer—without men. p1494 28 Sep 1990.

E-F

Eisenberg, David. See Hill, Christopher P. Eklund, Elliott A. See Bales, G. Steven. Eldridge, Roger: The overhead question (letter). p12 6 July 1990.

Elliott, John F. See Lin, Augustine Y. Ellwein, Leon B. See Cohen, Samuel M. Emini, Emilio A. See LaRosa, Gregory J.

Emmert, Richard E.: Chemical engineers: at the forefront (letter). p1094 7 Sep 1990. Englander, S. Walter. See Paterson, Yvonne. Engleka, Kurt. See Imamura, Toru.

Eom, C. B.; Marshall, A. F.; Laderman, S. S.; Jacowitz, R. D.; Geballe, T. H.: Epitaxial and smooth films of a-axis YBa2. p1549 28 Sep

Epstein, Emanuel: "International" meeting: criteria for invitation (letter). p1358 21 Sep 1990. Erickson, John; Neidhart, David J.; VanDrie, John; Kempf, Dale J.; Wang, Xiu Chun; Norbeck, Daniel W.; Plattner, Jacob J.; Rittenhouse, Judith W.; Turon, Mary; Wideburg, Norman; Kohlbrenner, William E.; Simmer, Robert; Helfrich, Rosalind; Paul, Deborah A.; Knigge, Mark: Design, activity, and 2.8 Å crystal structure of a C2 symmetric inhibitor complexed to HIV-1 protease. p527 3 Aug 1990.

Etlinger, H. M.; Gillessen, D.; Lahm, H.-W.; Matile, H.; Schönfeld, H.-J.; Trzeciak, A.: Use of prior vaccinations for the development of new vaccines. p423 27 July 1990.

Ette, Marcel. See De Cock, Kevin M. Evans, John V.: review of Astronomer by Chance, by Bernard Lovell. p79 6 July 1990. Faath, Stefan. See Rötzschke, Olaf. Falk, Kirsten. See Rötzschke, Olaf. Fearon, Douglas T. See Weisman, Harlan F.

Fearon, Eric R. See Baker, Suzanne J.

Fee, Elizabeth: review of The Sanitarians, by John Duffy. p305 20 July 1990.

Feichtinger, Hans. See Lyons, John. Fenton, John W., II. See Rydel, Timothy J.

Fenzl, W. See Cevc, G.

Fields, Stanley and Jang, Sung Key: Presence of a

potent transcription activating sequence in the p53 protein. p1046 31 Aug 1990.

Finberg, Robert W.; Diamond, David C.; Mitchell, Darren B.; Rosenstein, Yvonne; Soman, Gopalan; Norman, Thea C.; Schreiber, Stuart L.; Burakoff, Steven J.: Prevention of HIV-1 infection and preservation of CD4 function by the binding of CPFs to gp120. p287 20 July 1990.

Finch, Caleb E.; Pike, Malcolm C.; Witten, Matthew: Slow mortality rate accelerations during aging in some animals approximate that of humans. p902 24 Aug 1990. Finegold, Alan A.; Schafer, William R.; Rine,

Jasper; Whiteway, Malcolm; Tamanoi, Fuyuhiko: Common modifications of trimeric G proteins and ras protein: involvement of polyi-soprenylation. p165 13 July 1990.

Fink, George. See Mobbs, Charles V. Finlayson-Dutton, Gail (news): Tinkering with glass and ceramic structures. p627 10 Aug

Fischer, Utz and Lührmann, Reinhard: An essential signaling role for the m₃G cap in the transport of U1 snRNP to the nucleus. p786 17 Aug 1990.

Fisher, J. Robert. See Michael, Joe V. Flags, Gail W. See Schumann, Ralf R.

Flint, Andrew J.; Paladini, Rudolph D.; Koshland, Daniel E., Jr.: Autophosphorylation of protein kinase C at three separated regions of its primary sequence. p408 27 July 1990.

Fong, Dunne. See Chan, Marion Man-Ying. Forest, Claude D. See O'Brien, Richard M. Forman, Paul: review of The Quantum Physics of Atomic Frequency Standards, by Jacques Vanier and Claude Audoin. p685 10 Aug 1990.

Forough, Reza. See Imamura, Toru. Forster, Anthony C. and Altman, Sidney: External guide sequences for an RNA enzyme. p783

17 Aug 1990.

Foster, T. C. See McNaughton, B. L. Fountain, Jane W. See Wallace, Margaret R. Fournier, Jean-Marc. See Burns, Michael M. Fox, Peter T. See Petersen, Steven E. Frahm, R. See Wong, Joe.

Frank, Stuart T.; Niklinska, Barbara B.; Orloff, David G.; Merćep, Mladen; Ashwell, Jonathan D.; Klausner, Richard D.: Structural mutations of the T cell receptor ζ chain and its role in T

cell activation. p174 13 July 1990. Franz, R. C.; Nemzek, R. J.; Winckler, J. R.: Television image of a large upward electrical discharge above a thunderstorm system. p48 6

July 1990. Frazer, L. Neil. See Basu, Atanu.

Frech, Matthias; John, Jacob; Pizon, Veronique; Chardin, Pierre; Tavitian, Armand; Clark, Robin; McCormick, Frank; Wittinghofer, Alfred: Inhibition of GTPase activating protein stimulation of Ras-p21 GTPase by the Krev-1 gene product. p169 13 July 1990.

Freedman, Arnold S.; Munro, J. Michael; Rice, G. Edgar; Bevilacqua, Michael P.; Morimoto, Chikao; McIntyre, Bradley W.; Rhynhart, Kurt; Pober, Jordan S.; Nadler, Lee M.: Adhesion of human B cells to germinal centers in vitro involves VLA-4 and INCAM-110. p1030 31 Aug 1990.

Freedman, Leonard P. See Härd, Torleif. Freeman, Ralph D. See Ohzawa, Izumi. Frelinger, Andrew L., III. See Loftus, Joseph C. Friedel, David: review of Mesoamerica after the Decline of Teotihuacan, A.D. 700-900, edited by Richard A. Diehl and Janet Catherine Berlo and Tula of the Toltecs, edited by Dan M. Healan. p78 6 July 1990.

Friedhoff, Arnold J.: Deprenyl and the progression of Parkinson's diesease (technical com-

ment). p303 20 July 1990. Friedkin, Morris E. See Abelson, John. Friedman, Robert M. See Contente, Sara. Frierson, Henry T., Jr. See Wyche, James H.

Frostig, Ron D. See Ts'o Daniel Y. Fuhrman, S. A. See Joiner, K. A.

Fujiwara, Tamio. See Bushman, Frederic D. Fulmer, Vincent A.: Marx misstated (letter). p1228 14 Sep 1990.

Furth, H. P.: Magnetic confinement fusion. p1522 28 Sep 1990.

Gabbianelli, Marco; Sargiacomo, Massimo; Pelosi, Elvira; Testa, Ugo; Isacchi, Giancarlo; Peschle, Cesare: "Pure" human hematopoietic progenitors: permissive action of basic fibro-blast growth factor. p1561 28 Sep 1990.

Gamble, Jennifer R.; Skinner, Michael P.; Berndt, Michael C.; Vadas, Matthew A.: Prevention of activated neutrophil adhesion to endothelium by soluble adhesion protein GMP140. p414 27 July 1990.

Gamble, Sandra. See Rock, Kenneth L. Garvey, Gerald T.: Soviet role in SAGE (letter).

p1485 28 Sep 1990.

Gauthier, Gabriel M.; Nommay, Danielle; Vercher, Jean-Louis: The role of ocular muscle proprioception in visual localization of targets. p58 6 July 1990.

Geballe, T. H. See Eom, C. B. George, F. W., IV. See Rich, Kathryn A. Gerrard, Theresa L. See Webb, Deborah S. A.

Getzoff, Elizabeth D. See Iverson, Brent L. Gibbons, Ann (news): FDA publishes bovine growth hormone data. p852 24 Aug 1990. Hot young stars. p861 24 Aug 1990. Merck-Du Pont venture: prescription for success? p1108 7 Sep 1990. New maps of the human brain. p122 13 July 1990. Overkilling the insect enemy. p621 10 Aug 1990. The Salk Institute at a crossroads. p360 27 July 1990. Venture capitalists push designer drug start-ups. p733 17 Aug 1990.

Gieni, Randall S. See Schultz, Kirk R. Gillessen, D. See Etlinger, H. M.

Gingerich, Philip D.; Smith, B. Holly; Simons, Elwyn L.: Hind limbs of Eocene Basilosaurus: evidence of feet in whales. p154 13 July 1990. Ginsberg, Mark H. See Loftus, Joseph C

Ginsburg, Eric J. See Sailor, Michael J. Giorda, Roberto; Rudert, William A.; Vavassori, Carla; Chambers, William H.; Hiserodt, John C.; Trucco, Massimo: NKR-P1, a signal transduction molecule on natural killer cells. p1298

14 Sep 1990. Giza, Barbara K. See Scott, Thomas R.

Glanzman, David L.; Kandel, Eric R.; Schacher, Samuel: Target-dependent structural changes accompanying long-term synaptic facilitation in Aplysia neurons. p799 17 Aug 1990.

Glass, Alison. See Loftus, Joseph C Glusker, Jenny P .: review of Use of X-Ray Crystallography in the Design of Antiviral Agents, edited by W. Graeme Laver and Gillian M. Air. p1177 7 Sep 1990.

Gnaore, Emmanuel. See De Cock, Kevin M. Goddard, Audrey D. See Borrow, Julian. Gold, Larry. See Tuerk, Craig. Gold, Lois Swirsky. See Ames, Bruce N.

Goldstein, Avram and Kalant, harold: Drug policy: striking the right balance. p1513 28 Sep

Goldstein, Bernard D.: Science, policy, and the press (letter). p111 13 July 1990.

Goldstein, Lawrence S. B. See Yang, Joy T. Goldstein, Samuel: Replicative senescence: the human fibroblast comes of age. p1129 7 Sep 1990.

Golovchenko, Jene A. See Burns, Michael M. Goodstein, David L.: review of Reflections on Liquid Helium, by E. L. Andronikashvili. p1447 21 Sep 1990.

Gordon, Lena. See Stein, Gretchen H. Gordon, Mark S. See Truhlar, Donald G. Gori, Gio Batta: The old puritanism? (letter). p843 24 Aug 1990.

Gorman, Christopher B. See Sailor, Michael J. Grable, John C. See Kim, Youngchang. Granner, Daryl K. See O'Brien, Richard M. Gray, Parick W. See Schumann, Ralf R. Gray, Paul E.: The overhead question (letter). p10 6 July 1990.

Gray, William M.: Strong association between West African rainfall and U.S. landfall of intense hurricanes. p1251 14 Sep 1990.

Green, Adrienne. See Lin, Augustine Y. Green, J. L.; Durben, D. J.; Wolf, G. H.; Angell, C. A.: Water and solutions at negative pressure: Raman spectroscopic study to -80 megapas-cals. p649 10 Aug 1990.

Greenberg, Philip D. See Schultz, Kirk R.
Greene, Patricia J. See Kim, Youngchang.

Gregory, Jill S. See Boulton, Teri G. Grey, Howard M. See Demotz, Stéphane. Grinspoon, David H. See Lewis, John S. Grinvald, Amiram. See Ts'o Daniel Y.

Gronenborn, Angela M. See Kay, Lewis E Gros, Piet; van Gunsteren, Wilfred F.; Hol, Wim G. J.: Inclusion of thermal motion in crystallographic structures by restrained molecular dynamics. p1149 7 Sep 1990.

Gross, Charles G.: review of Brain Circuits and Functions of the Mind, edited by Colwyn Trevarthen. p1175 7 Sep 1990.

Grubbs, Robert H. See Sailor, Michael J. Grünewald, Kurt. See Lyons, John. Gruss, Peter. See Kessel, Michael.

Guan, Kunliang and Dixon, Jack E.: Protein tyrosine phosphatase activity of an essential virulence determinant in Yersinia. p553 3 Aug

Guastella, John; Nelson, Nathan; Nelson, Hannah; Czyzyk, Linda; Keynan, Shoshi; Miedel, May C.; Davidson, Norman; Lester, Henry A.; Kanner, Baruch I.: Cloning and expression of a rat brain GABA transporter. p1303 14 Sep

Gupta, Sunil K.; Diez, Emilio; Heasley, Lynn E.; Osawa, Shoji; Johnson, Gary L.: A G protein mutant that inhibits thrombin and purinergic receptor activation of phospholipase A2. p662 10 Âug 1990.

Gustafsson, Jan-Åke. See Härd, Torleif. Guyer, C. Greg. See Juskevich, Judith C. Gwinner, Eberhard and Dittami, John: Endogenous reproductive rhythms in a tropical bird. p906 24 Aug 1990.

Hadley, Suzanne W. See Hallum, Jules V. Hager, Lowell P. See Wuosmaa, Anne Marie. Hake, Richard R.: Ph.D. supply and demand (letter). p611 10 Aug 1990.

Hall, Alan: The cellular functions of small GTPbinding proteins. p635 10 Aug 1990. Hall, Lisa. See Born, Willi.

Hallum, Jules V. and Hadley, Suzanne W.: NIH Office of Scientific Integrity: policies and pro-

cedures (letter). p1227 14 Sep 1990. Hamilton, David P. (news): Academy dumps on waste rules. p357 27 July 1990. Co-opting the waste rules. p. 249 14 Sep 1990. Energy R&D funding shift urged. p. 1101 7 Sep 1990. House stifles DOE research. p. 118 13 July 1990. A leaky mystery for NASA. p. 116 13 July 1990. Magnet lab: science to the highest bidder? p851 24 Aug 1990. NIH sued over misconduct case. p471 3 Aug 1990. Oregon's plan comes to the capital. p469 3 Aug 1990. Shuttle leaks: good news for science. p238 20 July 1990. The SSC takes on a life of its own. p731 17 Aug. 1990. Toward the polymer chip. p1249 14 Sep 1990.

Harbison, Gerard S. See Tang, Pei. Härd, Torleif; Kellenbach, Edwin; Boelens, Rolf; Maler, Bonnie A.; Dahlman, Karin; Freedman, Leonard P.; Carlstedt-Duke, Jan; Yamamoto, Keith R.; Gustafsson, Jan-Åke; Kaptein, Robert: Solution structure of the glucocorticoid receptor DNA-binding domain. p157 13 July 1990.

Hare, Dennis R. See Massefski, Walter, Jr. Harling, Otto K.: Boron neutron capture therapy: the role of peer review (letter). p972 31 Aug 1990.

Harris, R. A. See Wafford, K. A. Harris, William. See Coffman, Clark. Harsh, Griffith. See Lyons, John. Hartley, Melissa. See Boulter, Jim.

Harvey, Paul H. and Krebs, John R.: Comparing brains. p140 13 July 1990.

Haskins, Kathryn and McDufie, Marcia: Acceleration of diabetes in young NOD mice with a CD4⁺ islet-specific T cell clone. p1433 21 Sep

Hayes, Peter: review of German National Socialism and the Quest for Nuclear Power, 1939-1949, by

Mark Walker. p570 3 Aug 1990. HayGlass, Kent T. See Schultz, Kirk R. He, Xiao-min. See Carter, Daniel C. Heasley, Lynn E. See Gupta, Sunil K. Heath, J. R. See Schmuttenmaer, C. A.

; Sheeks, R. A.; Cooksy, A. L.; Saykally, R. J.: The C7 cluster: structure and infrared frequencies. p895 24 Aug 1990.

Heath, Robert R. See Landolt, Peter J. Hecht, Michael H.; Richardson, Jane S.; Richardson, David C.; Ogden, Richard C.: De novo design, expression, and characterization of Felix: a four-helix bundle protein of native-like sequence. p884 24 Aug 1990. Heichman, Karen A. and Johnson, Reid C.: The

Hin invertasome: protein-mediated joining of distant recombination sites at the enhancer. p511 3 Aug 1990. Heinemann, Stephen. See Boulter, Jim.

Helfrich, Rosalind. See Erickson, John.

Hemley, R. J. and Mao, H. K.: Critical behavior in the hydrogen insulator-metal transition. p391 27 July 1990.

Hendrickson, Wayne A. See Royer, William E., Jr. See also Yang, Wci. Herb, Anne. See Keinänen, Kari. See also Som-

mer, Bernd.

Herrera, Victoria L. M. and Ruiz-Opazo, Nelson: Alteration of α1 Na⁺,K⁺-ATPase ⁸⁶Rb⁺ influx by a single amino acid substitution. p1023 31 Aug 1990.

Heyward, William L. See De Cock, Kevin M. Hightower, Lawrence E.: review of Stress Proteins in Biology and Medicine, edited by Richard I. Morimoto, Alfred Tissières, and Costa Georgopoulos. p572 3 Aug 1990. Hill, Christopher P.; Anderson, Daniel H.; Wesson, Laura; DeGrado, William F.; Eisenberg, David: Crystal structure of α_i: implications for protein design. p543 3 Aug 1990. Hillyard, David R. See Olivera, Baldomero M.

Hillyard, David R. See Olivera, Baldomei Historodt, John C. See Giorda, Roberto. Hla, Timothy. See Imamura, Toru. Hodges, Robert S. See Shaw, Gary S. Hoess, Ronald H. See O'Neil, Karyn T. Hoffman, B. M. See Broderick, W. E. Hol, Wim G. J. See Gros, Piet.

Holden, Constance (news): Hairy problems for new drug testing method. p1099 7 Sep 1990. Multidisciplinary look at a finite world. p18 6 July 1990. What's holding up "aversives" report? p980 31 Aug 1990. Holley, L. Howard. See LaRosa, Gregory J.

Holley, L. Howard. See LaRosa, Gregory J Hollmann, Michael. See Boulter, Jim.

Holt, J. B. See Wong, Joe.

Holt, Robert: review of Evolutionary Dynamics of a Natural Population, by B. Rosemary Grant and Peter R. Grant. p306 20 July 1990.

Hoyt, John A. and Stephens, Martin L.: Animal rights and violence (letter). p1358 21 Sep 1990.

Hsu, Joan. See Boulton, Teri G. Huber, Robert. See Rydel, Timothy J. Huddle, Gwendolyn: Cost savings on insurance

(AAAS). p1169 7 Sep 1990. Hughson, Frederick M; Wright, Peter E.; Baldwin, Robert L.: Structural characterization of a partly folded apomyoglobin intermediate.

p1544 28 Sep 1990.

Hunt, Lois T. See Barker, Winona C.

Hunten, Donald M. See Sprague, Ann L.

Hurley, James H.; Dean, Antony M.; Sohl, Julie
L.; Koshland, Daniel E., Jr.; Stroud, Robert
M.: Regulation of an enzyme by phosphorylation at the active site. p1012 31 Aug 1990.

tion at the active site. p1012 31 Aug 1990. Hussein, Atif M.; Jimenez, Joaquin J.; McCall, Catherine A.; Yunis, Adel A.: Protection from chemotherapy-induced alopecia in a rat model.

p1564 28 Sep 1990. Hwang, Paul M.; Bredt, David S.; Snyder, Solomon H.: Autoradiographic imaging of phosphoinositide turnover in the brain. p802 17 Aug 1990.

I

Imamura, Toru; Engleka, Kurt; Zhan, Xi; Tokita, Yoshihito; Forough, Reza; Roeder, David; Jackson, Anthony; Maier, Jeanette A. M.; Hla, Timothy; Maciag, Thomas: Recovery of mitogenic activity of a growth factor mutant with a nuclear translocation sequence. p1567 28 Sep 1990.

Ingersoll, A. P. See Polvani, L. M. Isacchi, Giancarlo. See Gabbianelli, Marco.

Ito, E.; Akaogi, M.; Topor, L.; Navrotsky, A.: Negative pressure-temperature slopes for reactions forming MgSiO₃ perovskite from calorimetry. p1275 14 Sep 1990.
Ito, Yasushi; Azrolan, Neal; O'Connell, Anita;

Walsh, Annemarie; Breslow, Jan L.: Hypertriglyceridemia as a result of human Apo CIII gene expression in transgenic mice. p790 17 Aug 1990.

Iverson, Brent L.; Iverson, Sheila A.; Roberts, Victoria A.; Getzoff, Elizabeth D.; Tainer, John A.; Benkovic, Stephen J.; Lerner, Richard A.: Metalloantibodies. p659 10 Aug 1990.
Iverson, Sheila A. See Iverson, Brent L.

J

Jackson, Anthony. See Imamura, Toru.
Jacobs, Robert B.: Billion-dollar zeolite? (letter).
p347 27 July 1990.

Jacowitz, R. D. See Eom, C. B.
Jang, Sung Key. See Fields, Stanley.
Jayne, Bruce C. See Walton, Michael.
Jeanloz, Raymond. See Kruger, M. B.
Ji, Hong. See Sandberg, Kathryn.
Jimenez, Joaquin J. See Hussein, Atif M.
John, Jacob. See Frech, Matthias.
Johnson, Gary L. See Gupta, Sunil K.
Johnson, Reid C. See Heichman, Karen A.
Johnson, Thomas E.: Increased life-span of age-1
mutants in Caenorhabditis elegans and lower
Gompertz rate of aging. p908 24 Aug 1990.
Joiner, K. A.; Fuhrman, S. A.; Miettinen, H. M.;
Kasser, I. H. Mellman, L. Tavenleswe and iii.

Kasper, L. H.; Mellman, I.: Toxoplasma gondii: fusion competence of parasitophorous vacuoles in Fe receptor-transfected fibroblasts. p641 10 Aug 1990.

Jones, Peter A. See Rideout, William M., III. Jones, Robert E. See Sen, Gautam.

Jones, T. A. See Rouvinen, J.

Joseph, Diane; Petsko, Gregory A.; Karplus, Martin: Anatomy of a conformational change: hinged "lid" motion of the triosephosphate isomerase loop, p1425 21 Sep 1990. Jørgensen, Bo Barker: A thiosulfate shunt in the

Jørgensen, Bo Barker: A thiosulfate shunt in the sulfur cycle of marine sediments. p152 13 July 1990.

Juang, Chi-Long. See Tang, Pei.
June, Carl H. See Nakayama, Toshinori.
Juskevich, Judith C. and Guyer, C. Greg: Bovine growth hormone: human food safety evaluation. p875 24 Aug 1990.

K

Kachar, Bechara. See Sellers, James R. Kaiser, Dale. See Kim, Seung K. Kalant, harold. See Goldstein, Avram. Kanagawa, Osami. See Böhme, Jan. Kandel, Eric R. See Glanzman, David L. Kanner, Baruch I. See Guastella, John. Kaptein, Robert. See Härd, Torleif. Karplus, Martin. See Joseph, Diane. See also LaRosa, Gregory J. Karunasiri, R. P. U. See Bales, G. Steven. Kasper, L. H. See Joiner, K. A. Kawasaki, Ernest. See Lyons, John. Kay, Lewis E.; Clore, G. Marius; Bax, Ad; Gronenborn, Angela M.: Four-dimensional heteronuclear triple-resonance NMR spectroscopy of interleukin-1ß in solution. p411 27 July 1990. Keinänen, Kari. See Sommer, Bernd.

...; Wisden, William; Sommer, Bernd; Werner, Pia; Herb, Anne; Verdoorn, Todd A.; Sakmann, Bert; Seeburg, Peter H.: A family of AMPA-selective glutamate receptors. p556 3 Aug 1990.

Kellenbach, Edwin. See Härd, Torleif.
Kelly, Walter B. See Warkins, Brynmor A.
Kempf, Dale J. See Erickson, John.
Kennan, John and Wilson, Robert: Theories of
barganing delays. p1124 7 Sep 1990.

Kenyon, Kaylene. See Contente, Sara.
Kerr, Richard A. (news): After Loma Prieta,
uncertainty remains. p860 24 Aug 1990.
Catching Venus in the act. p742 17 Aug 1990.
The climate system as a ticking clock. p1246 14
Sep 1990. The greenhouse consensus. p481 3
Aug 1990. NASA's search for ETs hits a snag
on Earth. p249 20 July 1990. New greenhouse
report puts down dissenters. p481 3 Aug 1990.
Signs of the Parkfield quake. p1502 28 Sep
1990. A violent Venus seen from a troubled
Magellan. p977 31 Aug 1990. Will Magellan
find a half-sister of Earth's? p742 17 Aug 1990.
Worse news for the Bay Area. p860 24 Aug
1990. (letter): New greenhouse report. p1094
7 Sep 1990.

Kessel, Michael and Gruss, Peter: Murine development control genes. p374 27 July 1990.

Keynan, Shoshi. See Guastella, John. Kim, Peter S. See Talanian, Robert V.

Kim, Seung K. and Kaiser, Dale: Cell alignment required in differentiation of Myxococcus xanthus. p926 24 Aug 1990.

Kim, Sung-Hou. See Schafer, William R. Kim, Youngchang; Grable, John C.; Love, Robert; Greene, Patricia J.; Rosenberg, John M.: Refinement of Eco RI endonuclease crystal structure: a revised protein chain tracing (technical comment). p1307 14 Sep 1990.

King, J. M. H.; DiGrazia, P. M.; Applegate, B.; Burlage, R.; Sanseverino, J.; Dunbar, P.; Larimer, F.; Sayler, G. S.: Rapid, sensitive bioluminescent reporter technology for naphthalene exposure and biodegradation. p778 17 Aug 1990.

Kintner, Chris. See Coffman, Clark. Kirn, John R. See Alvarez-Buylla, Arturo. Klarnet, Jay P. See Schultz, Kirk R. Klausner, Richard D. See Frank, Stuart T. See also Manolios, Nicholas.

Knigge, Mark. See Erickson, John.

Knobler, Charles M.: Seeing phenomena in flatland: studies of monolayers by fluorescence microscopy. p870 24 Aug 1990.
Knowles, J. K. C. See Rouvinen, J.

Knowles, J. K. C. See Rouvinen, J. Kohlbrenner, William E. See Erickson, John. Köhler, Martin. See Sommer, Bernd.

Korn, David: Postdocs at Stanford (letter). p724 17 Aug 1990.

Koshland, Doniel E., Jr. (editorials): Conflict of interest. p109 13 July 1990. The Dirty Air Act. p1481 23 Sep 1990. The laws of sociodynamics. p341 27 July 1990. SOS, save our science. p605 10 Aug 1990. Sound bites versus sound thinking. p1225 14 Sep 1990. (letter): Marx misstated. p1228 14 Sep 1990. The overhead question. p13 6 July 1990. See also Dean, Antony M. See also Flint, Andrew J. See also Hurley, James H.

Kozlowski, Richard W. H. See Sprague, Ann L. Krauskopf, Konrad B.: Disposal of high-level nuclear waste: is it possible? p1231 14 Sep

1990.

Krebs, John R. See Harvey, Paul H.
Kruger, M. B. and Jeanloz, Raymond: Memory
glass: an amorphous material formed from
AIPO4. p647 10 Aug 1990.
Kufta, Conrad V. See Watkins, Brynmor A.
Kuhn, Rainer. See Monuki, Edwin S.
Kumar, Amit. See Sailor, Michael J.

L

LaBarbera, Michael: Principles of design of fluid transport systems in zoology. p992 31 Aug 1990.

Lacy, Robert. See Rabb, George B. Laderman, S. S. See Eom, C. B.

Lafontaine, Marie-France. See De Cock, Kevin M.

Lafontant, Georges C. See De Cock, Kevin M. Lahm, H.-W. See Etlinger, H. M.

Landis, Claudia A. See Lyons, John.
Landolt, Peter J. and Heath, Robert R.: Sexual role reversal in mate-finding strategies of the cabbage looper moth. p1026 31 Aug 1990.
Langer, Arthur, M.; Nolan, Robert P.; Ross,

Langer, Arthur, M.; Nolan, Robert P.; Ross, Malcom: Asbestos policy (letter). p1485 28 Sep 1990.

Langer, Robert: New methods of drug delivery. p1527 28 Sep 1990.

Langlois, Alphonse J. See LaRosa, Gregory J. Langston, J. W. See Tetrud, James W. Larimer, F. See King, J. M. H. LaRosa, Gregory J.; Davide, Joseph P.; Weinhold, Kent; Waterbury, Julie A.; Profy, Albert T.; Lewis, John A.; Langlois, Alphonse J.; Dreesman, Gordon R.; Boswell, R. Neal; Shadduck, Phillip; Holley, L. Howard; Kar-plus, Martin; Bolognesi, Dani P.; Matthews, Thomas J.; Emini, Emilio A.; Putney, Scott D.: Conserved sequence and structural elements in the HIV-1 principal neutralizing determinant.

p932 24 Aug 1990. Larson, E. M. See Wong, Joe. Law, Judy L. See Rich, Kathryn A.

Lawrence, Jeanne Bentley; Singer. Robert H.; McNeil, John A.: Interphase and metaphase resolution of different distances within the human dystrophin gene. p928 24 Aug 1990.

Leary, Peter. See Li, Yong-Gang. Leary, Richard L.: Possible Early Pennsylvanian ancestor of the cycadales. p1152 7 Sep 1990. Lee, Min-Wei (news): Turning teachers on to science. p979 31 Aug 1990.

Lefer, Allan M.; Tsao, Philip; Aoki, Nobuo; Palladino, Michael A., Jr.: Mediation of cardioprotection by transforming growth factor-β.

p61 6 July 1990.

Lemke, Greg. See Monuki, Edwin S. Leong, Steven R. See Schumann, Ralf R. Leppo, Michelle K. See Weisman, Harlan F. Lerner, Richard A. See Iverson, Brent L. Lester, Henry A. See Guastella, John. Letcher, Roxanne. See Wallace, Margaret R. Lewis, John A. See LaRosa, Gregory J. Lewis, John S. and Grinspoon, David H.: Verti-

cal distribution of water in the atmosphere of Venus: a simple thermochemical explanation. p1273 14 Sep 1990.

Lewis, Nathan S. See Sailor, Michael J.

Li, Yong-Gang; Leary, Peter; Aki, Keith; Malin, Peter: Seismic trapped modes in the Oroville and San Andreas fault zones. p763 17 Aug 1990.

Lieke, Edmund E. See Ts'o Daniel Y.

Lin, Augustine Y.; Devaux, Brigitte; Green, Adrienne; Sagerström, Charles; Elliott, John F.; Davis, Mark M.: Expression of T cell antigen receptor heterodimers in a lipid-linked form. p677 10 Aug 1990.

Lindzen, Richard S.: New greenhouse report

(letter). p1093 7 Sep 1990. Ling, K.-Y. See Saimi, Y.

Lippman, Marc E. See Lupu, Ruth.

Livingston, Katherine: review of 100 Years of Gypsy Studies, edited by Matt T. Salo. p809 17 Aug 1990. review of Recollections of My Life, by Santiago Ramón y Cajal; The Never-Ceasing Search, by Francis O. Schmitt; Song Among the Ruins, by William J. Schull; Science, Churchill, and Me, by Hermann Bondi; A Very Decided Preference, by Jean Medawar; Landau, edited by I. M. Khalatnikov; Chandrasekhara Venkata Raman, by A. Jayaraman. p571 3 Aug 1990. review of Semelai Culture and Resin Technology, by Rosemary Gianno. p809 17 Aug 1990.

Lo, Shyh-Ching: Availability of Lo's mycoplasma (letter). p111 13 July 1990.

Loftus, Joseph C.; O'Toole, Timothy E.; Plow, Edward F.; Glass, Alison; Frelinger, Andrew L., III; Ginsberg, Mark H.: A B3 integrin mutation abolishes ligand binding and alters divalent cation-dependent conformation. p915 24 Aug 1990.

Love, Robert. See Kim, Youngchang. Lowy, Douglas R. See Zhang, Ke. Lozano, Guillermina. See Raycroft, Loretta. Lucas, Peter C. See O'Brien, Richard M. Lührmann, Reinhard. See Fischer, Utz. Lupu, Ruth; Colomer, Ramon; Zugmaier, Gerhard; Shepard, Michael; Slamon, Dennis; Lippman, Marc E.: Direct interaction of a ligand for the erbB2 oncogene product with the EGF receptor. p1552 28 Sep 1990.

Lyons, John; Landis, Claudia A.; Harsh, Griffith; Vallar, Lucia; Grünewald, Kurt; Feichtinger, Hans; Duh, Quan-Yang; Clark, Orlo H.; Kawasaki, Ernest; Bourne, Henry R.; McCormick, Frank: Two G protein oncogenes in human endocrine tumors. p655 10 Aug 1990.

M

Maciag, Thomas. See Imamura, Toru. See also Maier, Jeanette A. M.

Magnuson, Mark A. See O'Brien, Richard M. Mahoney, Michael S.: review of Innovating for Failure, by John Hendry. p190 13 July 1990. Maier, Jeanette A. M. See Imamura, Toru.

; Voulalas, Pamela; Roeder, David; Maciag, Thomas: Extension of the life-span of human endothelial cells by an interleukin-18 antisense oligomer. p1570 28 Sep 1990.

Malawista, Stephen E. See Persing, David H. Maler, Bonnie A. See Härd, Torleif.

Maley, Julie A. See Corbo, Laura. Malin, Peter. See Li, Yong-Gang.

Mann, Charles (news): How to perform a meta-analysis. p477 3 Aug 1990. Meta-analysis in the breech. p476 3 Aug 1990. Richard Peto: statistician with a mission. p479 3 Aug 1990.

Manolios, Nicholas; Bonifacino, Juan S.; Klausner, Richard D.: Transmembrane helical interactions and the assembly of the T cell

receptor complex. p274 20 July 1990.

Manzer, L. E.: The CFC-ozone issue: progress on the development of alternatives to CFCs. p31 6 July 1990.

Mao, H. K. See Hemley, R. J. Marchuk, Douglas A. See Wallace, Margaret R. Marcus, Ann. See Marcus, Robert.

Marcus, Robert and Marcus, Ann: Pseudo skua? (letter). p972 31 Aug 1990.

Markmann, James F. See Posselt, Andrew M. Markowitz, Sanford. See Baker, Suzanne J. Markwick, Alison. See Sandberg, Kathryn. Maron, Cornelia. See Boulter, Jim.

Marsh, Henry C., Jr. See Weisman, Harlan F. Marshall, A. F. See Eom, C. B.

Marshall, Eliot. (news): Clovis counterrevolu-tion. p738 17 Aug 1990. Hanford releases released. p474 3 Aug 1990. Jittery Hubble awaits a cure. p1497 28 Sep 1990. Radiation exposure: hot legacy of the Cold War. p474 3 Aug 1990. Science beyond the pale. p14 6 July 1990. Shuttle, telescope woes undermine NASA's plans. p115 13 July 1990. See also

Palca, Joseph. Martin, W. John. See Rich, Kathryn A.

Maruyama, Yosh and Wierzbicki, Jacek: Neutron capture therapy (letter). p227 20 July 1990. Marx, Jean (news): Alzheimer's pathology explored, p984 31 Aug 1990, Bombesis receptor gene cloned, p1377 21 Sep 1990, Marijuana receptor gene cloned, p624 10 Aug 1990, The nematode as a guide to human brain disease. p985 31 Aug 1990. New clue to cancer metastasis found. p482 3 Aug 1990. Oncogenes evoke new cancer therapies. p1376 21 Sep 1990. Partner found for the myc protein. p1503 28 Sep 1990. Taming rogue immune reactions. p246 20 July 1990.

Massefski, Walter, Jr.; Redfield, Alfred G.; Hare, Dennis R.; Miller, Christopher: Molecular structure of charybdotoxin, a pore-directed inhibitor of potassium ion channels. p521 3 Aug

Mathis, Diane. See Böhme, Jan. Mathison, John C. See Schumann, Ralf R. See

also Wright, Samuel D. Matile, H. See Etlinger, H. M.

Matthews, Thomas J. See LaRosa, Gregory J. Maurer, Brian A .: review of The Ecology of Bird Communities, by John A. Wiens. p1449 21 Sep 1990.

Mayer, Matthias P. See Schafer, William R. McBain, Chris J.; Traynelis, Stephen F.; Dingle-dine, Raymond: Regional variation of extracellular space in the hippocampus. p674 10 Aug 1990.

McCall, Catherine A. See Hussein, Atif M. McCarthy, Susan A. See Nakayama, Toshinori. McCormick, Frank. See Frech, Marthias.

McCormick, Frank. See Lyons, John. McDonald, Alison D. See McDonald, J. Corbett. McDonald, J. Corbett and McDonald, Alison D.: Asbestos and carcinogenicity (letter). p844 24 Aug 1990.

McDufie, Marcia. See Haskins, Kathryn. McElroy, Frank N., Jr.: Cleaner air (letter). p723 17 Aug 1990.

McIntyre, A. See Molfino, B.

McIntyre, Bradley W. See Freedman, Arnold S. McIntyre, William E.: Unscrambling an egg (letter). p228 20 July 1990.

McKnight, C. James. See Talanian, Robert V. McKnight, Steven L. See Shuman, Jon D. McNaughton, B. L. and Foster, T. C.: The cellular basis of memory (letter). p1487 28 Sep

McNeil, John A. See Lawrence, Jeanne Bentley. Mellman, I. See Joiner, K. A.

Melton, D. A. See Sokol, S. Mena, E. Edward. See Olivera, Baldomero M.

Merćep, Mladen. See Frank, Stuart T. Mescher, Matthew F. See O'Rourke, Anne M. Michael, Joe V.; Fisher, J. Robert; Bowman, Joel M.; Sun, Qiyan: Theoretical and experimental

rate constants for two isotopic modifications of the reaction $H + H_2$. p269 20 July 1990. Michael, Robert T.: The Salk Institute and else-

where (letter). p1092 7 Sep 1990. Michaels, Frank. See Watkins, Brynmor A. Miedel, May C. See Guastella, John. Miettinen, H. M. See Joiner, K. A. Millan, Monica A. See Sandberg, Kathryn. Miller, Christopher. See Massefski, Walter, Jr. Miller, Thomas E.: review of Perspectives on Plant

Competition, edited by James B. Grace and David Tilman. p1054 31 Aug 1990.

Miner, Jeffrey N. See Diamond, Marc I.

Mitchell, Anna L. See Wallace, Margaret R.

Mitchell, Darren B. See Finberg, Robert W. Mitsuya, Hiroaki; Yarchoan, Robert; Broder, Samuel: Molecular targets for AIDS therapy. p1533 28 Sep 1990. Miyamoto, Takenori. See Restrepo, Diego.

Mobbs, Charles V.; Fink, George; Pfaff, Donald W.: HIP-70: an isoform of phosphoinositolspecific phospholipase C-α (technical comment). p566 3 Aug 1990.

Moffat, Anne Simon (news): Corn transformed. p630 10 Aug 1990.

Molfino, B. and McIntyre, A.: Processional forcing of nutricline dynamics in the equatorial

Atlantic, p766 17 Aug 1990.

Monuki, Edwin S.; Kuhn, Rainer; Weinmaster, Gerry; Trapp, Bruce D.; Lemke, Greg: Expression and activity of the POU transcription factor SCIP. p1300 14 Sep 1990.

Moomaw, Carolyn. See Boulton, Teri G.

Moore, John W.: Ph.D. supply and demand (letter). p611 10 Aug 1990.

Moore, Randy: Foot dragging on metrification (letter). p723 17 Aug 1990.

Mostly Visitinia (August Living to enchange the

Morell, Virginia (news): Listing to starboard: the Oregon formula. p470 3 Aug 1990. Oregon

puts bold health plan on ice. p468 3 Aug 1990. Morgan, M. Granger: Accreditation and diversity in engineering education (editorial). p969 31 Aug 1990.

Morimoto, Chikao. See Freedman, Arnold S. Morlan, Richard E .: review of Monte Verde, by Tom D. Dillehay. p937 24 Aug 1990. Munitz, Terry I. See Nakayama, Toshinori. Munro, J. Michael. See Freedman, Arnold S.

N

Nabel, Elizabeth G.; Plautz, Gregory; Nabel, Gary J.: Site-specific gene expression in vivo by direct gene transfer into the arterial wall. p1285 14 Sep 1990.

Nabel, Gary J. See Nabel, Elizabeth G. Nadler, Lee M. See Freedman, Arnold S. Nagayama, Yuji. See Wadsworth, Harry L. Naji, Ali. See Posselt, Andrew M.

Nakayama, Toshinori; June, Carl H.; Munitz, Terry I.; Sheard, Michael; McCarthy, Susan A.; Sharrow, Susan O.; Samelson, Lawrence E.; Singer, Alfred: Inhibition of T cell receptor expression and function in immature CD4+CD8+ cells by CD4. p1558 28 Sep 1990.

Navrotsky, A. See Ito, E. Neidhart, David J. See Erickson, John.

Nelson, David L. See Corbo, Laura. Nelson, David R.: Icosahedral crystals in perspective (letter). p111 13 July 1990. See also Abraham, Farid F.

Nelson, Hannah. See Guastella, John. Nelson, Nathan. See Guastella, John. Nemzek, R. J. See Franz, R. C.

Newton, Cathryn R.: Paleobiogeography of the ancient Pacific (technical comment). p681 10 Aug 1990.

Nicholson, Jane. See Wallace, Margaret R. Nicholson, Richard S.: Communicating science (editorial). p721 17 Aug 1990. Nierenberg, William A.: New greenhouse report

(letter). p1093 7 Sep 1990. Niklinska, Barbara B. See Frank, Stuart T.

Nitta, Taizo; Oksenberg, Jorge R.; Rao, Narsing A.; Steinman, Lawrence: Predominant expression of T cell receptor V_a7 in tumor-infiltrating lymphocytes of uveal melanoma. p672 10 Aug

Nitze, William A.: A proposed structure for an international convention on climate change. p607 10 Aug 1990.

Noda, Makoto. See Zhang, Ke. Nolan, Robert P. See Langer, Arthur M. Nommay, Danielle. See Gauthier, Gabriel M. Norbeck, Daniel W. See Erickson, John. Norman, Colin (news): NSF peer review: under pressure. p1239 14 Sep 1990. Norman, Thea C. See Finberg, Robert W. Nottebohm, Fernando. See Alvarez-Buylla, Ar-

0

O'Brien, Rebecca. See Born, Willi. O'Brien, Richard M.; Lucas, Peter C.; Forest, Claude D.; Magnuson, Mark A.; Granner, Daryl K.: Identification of a sequence in the PEPCK gene that mediates a negative effect of insulin on transcription. p533 3 Aug 1990. O'Connell, Anita. See Ito, Yasushi. Odeh, Hana M. See Wallace, Margaret R. Odehouri, Koudou. See De Cock, Kevin M. Ogden, Richard C. See Hecht, Michael H. Ogilvie, Marilyn Bailey: review of Women of Science, edited by G. Kass-Simon and Patricia Farnes. p427 27 July 1990.

Ohzawa, Izumi; DeAngelis, Gregory C.; Freeman, Ralph D.: Stereoscopic depth discrimination in the visual cortex: neurons ideally suited as disparity detectors. p1037 31 Aug 1990.

Okabe, K. See Yatani, A

Oksenberg, Jorge R. See Nitta, Taizo. Olivera, Baldomero M.; Rivier, Jean; Clark, Craig; Ramilo, Cecilia A.; Corpuz, Gloria P.: Abogadie, Fe C.; Mena, E. Edward; Woodward, Scott R.; Hillyard, David R.; Cruz, Lourdes J.: Diversity of Conus neuropeptides. p257 20 July 1990.

Olsen, L. F. and Schaffer, W. M.: Chaos versus noisy periodicity: alternative hypotheses for childhood epidemics. p499 3 Aug 1990.

Olsen, Paul E. See Sues, Hans-Dieter. Olson, Cheryl K.: "Shoehorning" men into studies? (letter). p612 10 Aug 1990. Olumi, Aria F. See Rideout, William M., III.

O'Neil, Karyn T.; Hoess, Ronald H.; DeGrado, William F.: Design of DNA-binding peptides based on the leucine zipper motif. p774 17 Aug 1990.

Orloff, David G. See Frank, Stuart T.

O'Rourke, Anne M.; Mescher, Matthew F.; Webb, Susan R.: Activation of polyphosphoin-ositide hydrolysis in T cells by H-2 alloantigen but not MLS determinants. p171 13 July 1990.

Orville, Harold D.: review of Storm and Cloud Dynamics, by WIlliam R. Cotton and Richard A. Anthes. p307 20 July 1990. Osawa, Shoji. See Gupta, Sunil K

O'Shea-Greenfield, Anne. See Boulter, Jim. Ostrander, Elaine A.; Benedetti, Piero; Wang, James C.: Template supercoiling by a chimera of yeast *GAL4* protein and phage T7 RNA polymerase, p1261 14 Sep 1990.

O'Toole, Timothy E. See Loftus, Joseph C. Ozernoy, Lenoid M.: review of Dynamics of Dense Stellar Systems, edited by David Merritt. p1448 21 Sep 1990.

P

Palade, George E. See Abelson, John. Paladini, Rudolph D. See Flint, Andrew J. Palca, Joseph (news): Conflict of interest: PHS readies new rules. p1237 14 Sep 1990. Does a retrovirus explain fatigue syndrome puzzle? p1240 14 Sep 1990. Justice Department joins whistle-blower suit. p734 17 Aug 1990. Libya gets unwelcome visitor from the West. p117 13 July 1990. Mouse facility makes a comeback. p620 10 Aug 1990. NIH urged to be a smart shopper, p1496 28 Sep 1990. NSF, NIH apply Band-Aids. p352 27 July 1990. The other human genome. p1104 7 Sep 1990. Planning a budget: in God we trust? p17 6 July 1990. Researchers declare crisis, seek funding solutions. p17 6 July 1990. Young investigators at risk. p351 27 July 1990.
____; and Marshall, Eliot (news): Bloch leaves

NSF in mainstream. p848 24 Aug 1990. Leadership with an industrial flavor. p849 24 Aug

Palladino, Michael A., Jr. See Lefer, Allan M. Panganiban, Lucy C. See Devlin, James J. Pantobe, Daniel. See De Cock, Kevin M. Papageorge, Alex G. See Zhang, Ke. Parsegian, V. Adrian. See Rau, Donald C. Patel, Lekha. See Abate, Cory.

Paterson, Yvonne; Englander, S. Walter; Roder, Henrich: An antibody binding site on cytochrome c defined by hydrogen exchange and two-dimensional NMR. p755 17 Aug 1990.

Paul, Deborah A. See Erickson, John. Peli, Eli: Binocular depth reversals despite familiarity cues: an artifact? (technical comment).

p565 3 Aug 1990.

Pelosi, Elvira. See Gabbianelli, Marco. Persing, David H.; Telford, Sam R., III; Rys, Paul N.; Dodge, Deborah E.; White, Thomas J.; Malawista, Stephen E.; Spielman, Andrew: Detection of Borrelia burgdorferi DNA in museum specimens of Ixodes dammini ticks. p1420 21 Sep 1990.

Peschle, Cesare. See Gabbianelli, Marco. Petersen, Steven E.; Fox, Peter T.; Snyder, Abraham Z.; Raichle, Marcus E.: Activation of extrastriate and frontal cortical areas by visual words and word-like stimuli. p1041 31 Aug

Petsko, Gregory A. See Joseph, Diane. Pfaff, Donald W. See Mobbs, Charles V. Pier, Gerald B.; Small, Gloria J.; Warren, Henry B.: Protection against mucoid Pseudomonas aeruginosa in rodent models of endobronchial infections. p537 3 Aug 1990.

Pike, Malcolm C. See Finch, Caleb E. Pizon, Veronique. See Frech, Matthias. Plattner, Jacob J. See Erickson, John. Plautz, Gregory. See Nabel, Elizabeth G. Plow, Edward F. See Loftus, Joseph C Pober, Jordan S. See Freedman, Arnold S.

Pollack, Gerald S.: review of Arthropod Bioacoustics, by Arthur W. Ewing. p190 13 July 1990. Polvani, L. M.; Wisdom, J; DeJong, E.; Ingersoll, A. P.: Simple dynamical models of N tune's Great Dark Spot. p1393 21 Sep 1990.

Pool, Robert (news): Diamond films sparkle as they come to market. p27 6 July 1990. Electromagnetic fields: the biological evidence. p1378 21 Sep 1990. Face to face with EMFs. p1379 21 Sep 1990. Fractal fracas. p363 27 July 1990. Is there an EMF-cancer connection? p1096 7 Sep 1990. Organic superconductor record. p365 27 July 1990. Putting SQUIDS to work. p862 24 Aug 1990. Seeing proteins in 4D. p364 27 July 1990. A transistor that works electron by electron. p629 10 Aug 1990. Ultra diamond from pure carbon-12. p28 6 July 1990. X marks the spot. p126 13 July 1990. Porter, Anne. See De Cock, Kevin M.

Posselt, Andrew M.; Barker, Clyde F.; Tomaszewski, John E.; Markmann, James F.; Choti, Michael A.; Naji, Ali: Induction of donorspecific unresponsiveness by intrathymic islet transplantation. p1293 14 Sep 1990.

Potts, Barbara J. See Watkins, Brynmor A.

Poulter, C. Dale. See Schafer, William R.

Press, William H.: review of The Early Universe, by Edward W. Kolb and Michael S. Turner. p808 17 Aug 1990.

Printz, Harry. See Servan-Schreiber, David. Profy, Albert T. See LaRosa, Gregory J. Prothero, D. R. See Swisher, Carl C., III. Pugliano, N. See Schmuttenmaer, C. A. Putney, Scott D. See LaRosa, Gregory J.

Q-R

Quéré, David; di Meglio, Jean-Marc; Brochard-Wyart, Françoise: Spreading of liquids on highly curved surfaces. p1256 14 Sep 1990. Rabb, George B. and Lacy, Robert: Endangered species biology (letter). p612 10 Aug 1990. Raff, Elizabeth C. See Yang, Joy T. Raichle, Marcus E. See Petersen, Steven E. Ramachandran, V. S. See Deutsch, J. A. Ramilo, Cecilia A. See Olivera, Baldomero M. Rammensee, Hans-Georg. See Rötzschke, Olaf. Ramos, Robert A. See Wright, Samuel D. Rao, Narsing A. See Nitta, Taizo. Raphals, Philip (news): Disease puzzle nears solution. p619 10 Aug 1990. Rapoport, Basil. See Wadsworth, Harry L.

turo.

Rau, Donald C. and Parsegian, V. Adrian: Direct measurement of forces between linear polysaccharides xanthan and schizophyllan. p1278 14 Sep 1990.

Rauscher, Frank J., III. See Abate, Cory. Ravichandran, K. G. See Rydel, Timothy J.

Raycroft, Loretta; Wu, Hongyun; Lozano, Guillermina: Transcriptional activation by wildtype but not transforming mutants of the p53 anti-oncogene. p1049 31 Aug 1990. Redfield, Alfred G. See Massefski, Walter, Jr.

Reed, Catherine: Ph.D. supply and demand (let-

ter). p611 10 Aug 1990.
Restrepo, Diego; Miyamoto, Takenori; Bryant, Bruce P.; Teeter, John H.: Odor stimuli trigger influx of calcium into olfactory neurons of the channel catfish. p1166 7 Sep 1990.

Rhee, Sue Goo. See Todderud, Gordon. Rhynhart, Kurt. See Freedman, Arnold S. Rice, G. Edgar. See Freedman, Arnold S.

Rice, William G. and Weiss, Stephen J.: Regulation of proteolysis at the neutrophil-substrate interface by secretory leukoprotease inhibitor. p178 13 July 1990.

Rich, Kathryn A.; George, F. W., IV; Law, Judy L.; Martin, W. John: Cell-adhesive motif in Region II of malarial circumsporozoite protein. p1574 28 Sep 1990.

Richardson, David C. See Hecht, Michael H. Richardson, Jane S. See Hecht, Michael H.

Rideout, William M., III; Coetzee, Gerhard A.; Olumi, Aria F.; Jones, Peter A.: 5-Methylcytosine as an endogenous mutagen in the human LDL receptor and p53 genes. p1285 14 Sep 1990.

Riganati, John P.: Japan's view of the United States (letter). p723 17 Aug 1990. Rimoldi, Donata. See Contente, Sara.

Rine, Jasper. See Finegold, Alan A. See also Schafer, William R.

Risch, Neil. See Devlin, B.

Rittenhouse, Judith W. See Erickson, John. Ritter, Rogers C .: review of The Art of Measurement, edited by Bernhard Kramer. p572 3 Aug

Rivier, Jean. See Olivera, Baldomero M. Roberts, Leslie (news): Counting on science at EPA. p616 10 Aug 1990. Cystic fibrosis corrected in lab. p1503 28 Sep 1990. Down to the wire for the NF gene. p236 20 July 1990. The first piece in the NF puzzle. p237 20 July 1990. Genome center grants chosen. p1497 28 Sep 1990. New scissors for cutting chromosomes. p127 13 July 1990. NF's cancer connection.

p744 17 Aug 1990. Ranking the risks proves contentious. p617 10 Aug 1990. L-Tryptophan puzzle takes new twist. p988 31 Aug 1990. Roberts, Victoria A. See Iverson, Brent L.

Rock, Kenneth L.; Gamble, Sandra; Rothstein, Lisa: Presentation of exogenous antigen with class I major histocompatibility complex mole-

cules, p918 24 Aug 1990.
Roder, Henrich. See Paterson, Yvonne.
Roeder, David. See Imamura, Toru. See also Maier, Jeanette A. M.

Roeder, Kathryn. See Devlin, B.

Rohde, Klaus: review of Parasite Communities, edited by Gerald W. Esch, Albert O. Bush, and John M. Aho. p191 13 July 1990.

Roitsch, Carolyn. See Rydel, Timothy J. Roland, Alex: review of Science and the Navy, by Harvey M. Sapolsky. p808 17 Aug 1990. Rosenberg, John M. See Kim, Youngchang. Rosenberg, Steven. See Schafer, William R. Rosenstein, Yvonne. See Finberg, Robert W. Rosenzweig, Robert M. See Beering, Steven C. Ross, Malcom. See Langer, Arthur M. Rothstein, Lisa. See Rock, Kenneth L.

Rötzschke, Olaf; Falk, Kirsten; Wallny, Hans-Joachim; Faath, Stefan; Rammensee, Hans-Georg: Characterization of naturally occurring minor histocompatibility peptides including H-4 and H-Y. p283 20 July 1990.

Rouvinen, J.; Bergfors, T.; Teeri, T.; Knowles, J. K. C.; Jones, T. A.: Three-dimensional structure of cellobiohydrolase II from Trichoderma reesei. p380 27 July 1990.

Roux, Kenneth H. See Weisman, Harlan F.

Royer, William E., Jr.; Hendrickson, Wayne A.; Chiancone, Emilia: Structural transitions upon ligand binding in a cooperative dimeric hemo-globin. p518 3 Aug 1990. Rudert, William A. See Giorda, Roberto.

Rudnick, Joseph. See Bales, G. Steven. Ruhlen, Merritt: Linguistics and the earliest Americans (letter). p345 27 July 1990. Ruiz-Opazo, Nelson. See Herrera, Victoria L. M.

Rupp, B. See Wong, Joe. Russell, Allan M.: "Life" in an abstract world

(letter). p843 24 Aug 1990. Russo, Diego. See Wadsworth, Harry L

Rydel, Timothy J.; Ravichandran, K. G.; Tu-linsky, A.; Bode, Wolfram; Huber, Robert; Roitsch, Carolyn; Fenton, John W., II: The structure of a complex of recombinant hirudin and human α-thrombin. p277 20 July 1990. Rys, Paul N. See Persing, David H.

Sabin, Albert B.: Viral etiology of AIDS and the Gallo probe (letter). p465 3 Aug 1990.

Sagan, Carl. See Chyba, Christopher F.
Sagers, Matthew J.: review of The Legacy of Chernobyl, by Zhores A. Medvedev and The Social Impact of the Chernobyl Disaster, by David R. Marples. p1312 14 Sep 1990.

Sagerström, Charles. See Lin, Augustine Y. Sailor, Michael J.; Ginsburg, Eric J.; Gorman, Christopher B.; Kumar, Amit; Grubbs, Robert H.; Lewis, Nathan S.: Thin films of n-Si/poly-(CH₃)₃Si-cyclooctatetraene: conducting-polymer solar cells and layered structures. p1146 7 Sep 1990.

Saimi, Y. and Ling, K.-Y.: Calmodulin activation of calcium-dependent sodium channels in excised membrane patches of Paramecium. p1441 21 Sep 1990.

Sakmann, Bert. See Keinänen, Kari. See also Sommer, Bernd.

Samelson, Lawrence E. See Nakayama, Toshin-

Sandberg, Kathryn; Bor, Marta; Ji, Hong; Markwick, Alison; Millan, Monica A.; Catt, Kevin J.: Angiotensin II-induced calcium mobilization in oocytes by signal transfer through gap junctions. p298 20 July 1990.

Sanseverino, J. See King, J. M. H. Sargiacomo, Massimo. See Gabbianelli, Marco. Satow, Yoshinori. See Yang, Wei.

Sauer, Susan L.: AAAS mass media fellows (AAAS). p568 3 Aug 1990. Saulino, Ann M. See Wallace, Margaret R.

Saxton, William M. See Yang, Joy T. Saykally, R. J. See Heath, J. R. See also Schmuttenmaer, C. A.

Sayler, G. S. See King, J. M. H. Schacher, Samuel. See Glanzman, David L.

Schafer, William R. See Finegold, Alan A.

—; Trueblood, Cynthia Evans; Yang, ChiChing; Mayer, Matthias P.; Rosenberg, Steven; Poulter, C. Dale; Kim, Sung-Hou; Rine, Jasper: Enzymatic coupling of cholesterol intermediates to a mating pheromone precursor and to the ras protein. p1133 7 Sep 1990. Schaffer, W. M. See Olsen, L. F.

Scherer, Warren J. See Udin, Susan B. Schields, Jack W.: Viral etiology of AIDS and the Gallo probe (letter). p466 3 Aug 1990.

Schmuttenmaer, C. A.; Cohen, R. C.; Pugliano, N.; Heath, J. R.; Cooksy, A. L.; Busarow, K. L.; Saykally, R. J.: Tunable far-IR laser spectroscopy of jet-cooled carbon clusters: the ν_2 bending vibration of C₃. p897 24 Aug 1990. Schneiderman, Marvin: Smokers: black and white

(letter). p228 20 July 1990. Schönfeld, H.-J. See Etlinger, H. M. Schreiber, Stuart L. See Finberg, Robert W. Schuhbaur, Brigitte. See Böhme, Jan.

Schulman, Lawrence: review of The Physical Basis of the Direction of Time, by H.-Dieter Zeh. p192 13 July 1990.

Schultz, Kirk R.; Klarnet, Jay P.; Gieni, Randall S.; HayGlass, Kent T.; Greenberg, Philip D.: The role of B cells for in vivo T cell responses to a Friend virus-induced leukemia. p921 24 Aug 1990.

Schultz, Peter G. See Cochran, Andrea G.

Schultz, Steve C. See Weeks, Kevin M.
Schultz, Steve C. See Weeks, Kevin M.
Schumann, Ralf R.; Leong, Steven R.; Flags, Gail
W.; Grav. Parick W.; Wright, Samuel D.;
Mathison, John C.; Tobias, Peter S.; Ulevitch, Richard J: Structure and function of lipopoly-saccharide binding protein. p1429 21 Sep

Schurr, J. Michael: The overhead question (letter). p12 6 July 1990.

Scott, Jamie K. and Smith, George P.: Searching for peptide ligands with an epitope library. p386 27 July 1990.

Scott, Thomas R. and Giza, Barbara K.: Coding channels in the taste system of the rat. p1585 28 Sep 1990. Seebass, Richard: The overhead question (letter).

p13 6 July 1990. Seeburg, Peter H. See Keinänen, Kari. See also

Sommer, Bernd. Seegmiller, J. Edwin. See Abelson, John.

Seigman, Anthony E.: The overhead question (letter). p12 6 July 1990.

Sellers, James R. and Kachar, Bechara: Polarity and velocity of sliding filaments: control of direction by actin and of speed by myosin. p406 27 July 1990.

Selvin, Paul (news): Charlie Cantor gets kicked upstairs. p1238 14 Sep 1990.

Sen, Gautam and Jones, Robert E.: Cumulate xenolith in Oahu, Hawaii: implications for deep magma chambers and Hawaiian volcanism. p1152 7 Sep 1990.

Servan-Schreiber, David; Printz, Harry; Cohen, Jonathan D.: A network model of catecholamine effects: gain, signal-to-noise ratio, and behavior. p892 24 Aug 1990.

Sette, Allesandro. See Demotz, Stéphane. Shadduck, Phillip. See LaRosa, Gregory J. Sharp, Phillip A. See Chang, David D. Sharrow, Susan O. See Nakayama, Toshinori. Shaw, Gary S.; Hodges, Robert S.; Sykes, Brian

D.: Calcium-induced peptide association to form an intact protein domain: ¹H NMR structural evidence. p280 20 July 1990. Shaw, Stephen. See Webb, Deborah S. A.

Sheard, Michael. See Nakayama, Toshinori. Sheeks, R. A. See Heath, J. R. Sheer, Denise. See Borrow, Julian.

Shepard, Michael. See Lupu, Ruth. Sherwood, Peter W.: AI: thousands of ants? (letter). p612 10 Aug 1990. Shimizu, Yoji. See Webb, Deborah S. A.

Shimkin, Demitri B.: Linguistics and the earliest Americans (letter). p345 27 July 1990. Shinnick, Thomas. See Born, Willi.

Shipley, Reginald A.: Invention of the autoana-

lyzer (letter). p228 20 July 1990.

Shleifer, Andrei and Vishny, Robert W.: The takeover wave of the 1980s. p745 17 Aug

Shuman, Jon D.; Vinson, Charles R.; McKnight, Steven L.: Evidence of changes in protease sensitivity and subunit exchange rate on DNA binding by C/EBP. p771 17 Aug 1990.

Sietmann, Richard (news): Abortion divides unit-ing Germanies. p1100 7 Sep 1990. DORIS gets a face-lift. p26 6 July 1990. Greens make physicists see red. p853 24 Aug 1990.

Sigl, L. See Cevc, G.

Simmer, Robert. See Erickson, John. Simon, Melvin I. See Abelson, John. Simons, Elwyn L. See Gingerich, Philip D. Sinclair, Rolf M.: Changing science (letter). p972

31 Aug 1990. Singer, Alfred. See Nakayama, Toshinori. Singer. Robert H. See Lawrence, Jeanne Bentley. Sinsheimer, Robert L.: Human genome initiative (letter). p1359 21 Sep 1990.

Sismondo, Enrico: Synchronous, alternating, and phase-locked stridulation by a tropical katydid. p55 6 July 1990.

Skerrett, P. J. (news): New transplant method evades immune attack. p1248 14 Sep 1990. Substance P cause pain-but also heals. p625 10 Aug 1990.

Skinner, Michael P. See Gamble, Jennifer R. Slamon, Dennis. See Lupu, Ruth. Slaughter, Clive. See Boulton, Teri G. Small, Gloria J. See Pier, Gerald B.

Smalheiser, Neil: Young scientists and the future

(letter). p1486 28 Sep 1990. Smith, B. Holly. See Gingerich, Philip D. Smith, George P. See Scott, Jamie K

Smith, Paul L. and Westermann, Gerd E. G.: Paleobiogeography of the ancient Pacific (technical comment). p680 10 Aug 1990. Snyder, Abraham Z. See Petersen, Steven E. Snyder, Solomon H. See Hwang, Paul M.

Sobota, Joseph T.: Orphan Drug Act (letter).

p346 27 July 1990.

Sohl, Julie L. See Hurley, James H.

Sokol, S.; Wong, G. G.; Melton, D. A.: A mouse macrophage factor induces head structures and organizes a body axis in Xenopus. p561 3 Aug

1990. Solomon, Ellen. See Borrow, Julian. Solow, Andrew R.: New greenhouse report (letter). p1094 7 Sep 1990.

Soman, Gopalan. See Finberg, Robert W. Sommer, Bernd. See Keinänen, Kari.

.; Keinänen, Kari; Verdoorn, Todd A.; Wisden, William; Burnashev, Nail; Herb, Anne; Köhler, Martin; Takagi, Tamaki; Sakmann, Bert; Seeburg, Peter H.: Flip and flop: a cellspecific functional swithch in glutamate-operated channels of the CNS. p1580 28 Sep 1990. Spekreijse, Henk. See van den Enden, Aad.

Spellacy, William N. See Barker, Winona C. Spielman, Andrew. See Persing, David H. Sprague, Ann L.; Kozlowski, Richard W. H.; Hunten, Donald M.: Caloris Basin: an enhanced source for potassium in Mercury's atmosphere. p1140 7 Sep 1990.

Stanley, George D., Jr. and Yancey, Thomas E.: Paleobiogeography of the ancient Pacific (tech-

nical comment). p680 10 Aug 1990. Stein, Gretchen H.; Beeson, Mary; Gordon, Lena: Failure to phosphorylate the retinoblastoma gene product in senescent human fibro-blasts. p666 10 Aug 1990.

Steinberg, Daniel. See Abelson, John. Steinman, Lawrence. See Nitta, Taizo. Steitz, Thomas A. See Weeks, Kevin M. Stephens, Martin L. See Hoyt, John A.

Stewart, Russell J. See Yang, Joy T. Strobel, Scott A. and Dervan, Peter B.: Sitespecific cleavage of a yeast chromosome by oligonucleotide-directed triple-helix formation. p73 6 July 1990.

Stroud, Robert M. See Hurley, James H. Sudarsky, Lewis: Deprenyl and the progression of Parkinson's disease (technical comment). p303 20 July 1990.

Sues, Hans-Dieter and Olsen, Paul E.: Triassic vertebrates of Gondwanan aspect from the Richmond basin of Virginia. p1017 31 Aug

Sullivan, Richard: Feelings . . . (letter). p111 13 July 1990.

Sun, Qiyan. See Michael, Joe V.

Swalen, Jerome D.: review of Langmuir-Blodgett Films, edited by Gareth Roberts. p305 20 July

Swetnam, Thomas W. and Betancourt, Julio L.: Fire-Southern Oscillation relations in the southwestern United States. p1017 31 Aug 1990.

Swisher, Carl C., III and Prothero, D. R.: Single-crystal 40Ar/39Ar dating of the Eocene-Oligocene transition in North America. p760 17 Aug

Sykes, Brian D. See Shaw, Gary S.

T

Tainer, John A. See Iverson, Brent L. Takagi, Tamaki. See Sommer, Bernd. Talanian, Robert V.; McKnight, C. James; Kim, Peter S.: Sequence-specific DNA binding by a short peptide dimer. p769 17 Aug 1990. Tamanoi, Fuyuhiko. See Finegold, Alan A.

Tang, Pei; Juang, Chi-Long; Harbison, Gerard S.: Intercalation complex of proflavine with DNA: structure and dynamics by solid-state NMR. p70 6 July 1990.

Tarr, Michael J.: review of Principles of Mental Imagery, by Ronald A. Finke and Mental Imagery, by Mark Rollins. p685 10 Aug 1990. Taubes, Gary: Cold fusion at Texas A&M (letter).

p464 3 Aug 1990.

Tavitian, Armand. See Frech, Matthias. Teeri, T. See Rouvinen, J. Teeter, John H. See Restrepo, Diego.

Telford, Sam R., III. See Persing, David H. Testa, Ugo. See Gabbianelli, Marco. Tetrud, James W. and Langston, J. W.: Deprenyl

and the progression of Parkinson's disease (technical comment). p303 20 July 1990. Thomas, Paul J. See Chyba, Christopher F. Thompson, J. A. See Broderick, W. E.

Tobias, Peter S. See Schumann, Ralf R. See also Wright, Samuel D.

Todderud, Gordon; Wahl, Matthew I.; Rhee, Sue Goo; Carpenter, Graham: Stimulation of phospholipase C-y1 membrane association by epidermal growth factor. p296 20 July 1990.

Todes, Daniel P.: review of Science and Russian Culture in an Age of Revolution, by Kendall E. Bailes. p1312 14 Sep 1990.

Tokita, Yoshihito. See Imamura, Toru. Tomaszewski, John E. See Posselt, Andrew M. Topor, L. See Ito, E.

Torardi, C. C. See Whangbo, M.-H. Trapp, Bruce D. See Monuki, Edwin S. Traynelis, Stephen F. See McBain, Chris J.

Trimble, Virginia: review of Evolutionary Phenomena in Galaxies, edited by J. E. Beckman and B. E. J. Pagel. p80 6 July 1990.

Trucco, Massimo. See Giorda, Roberto. Trueblood, Cynthia Evans. See Schafer, William

Truhlar, Donald G. and Gordon, Mark S.: From

force fields to dynamics: classical and quantal paths. p491 3 Aug 1990.

Trzeciak, A. See Etlinger, H. M. Tsao, Philip. See Lefer, Allan M. Tsibris, John C. M. See Barker, Winona C.

Ts'o Daniel Y.; Frostig, Ron D.; Lieke, Edmund E.; Grinvald, Amiram: Functional organization of primate visual cortex revealed by high resolution optical imaging. p417 27 July 1990. Tuerk, Craig and Gold, Larry: Systematic evolu-

tion of ligands by exponential enrichment: RNA ligands to bacteriophage T4 DNA polymerase. p505 3 Aug 1990. Tulinsky, A. See Rydel, Timothy J.

Tulviste, Peter. See Wertsh, James V. Turon, Mary. See Erickson, John. Tweedale, Rowan. See Calford, Michael B.

Udin, Susan B. and Scherer, Warren J.: Restora-tion of the plasticity of binocular maps by NMDA after the critical period in Xenopus. p669 10 Aug 1990. Ulevitch, Richard J. See Schumann, Ralf R. See

also Wright, Samuel D.

Vadas, Matthew A. See Gamble, Jennifer R. Vallar, Lucia. See Lyons, John. van den Enden, Aad and Spekreijse, Henk: Binocular depth reversals despite familiarity cues: an artifact? (technical comment). p565 3 Aug 1990.

VanDrie, John. See Erickson, John. van Gunsteren, Wilfred F. See Gros, Piet. Van Seventer, Gijs A. See Webb, Deborah S. A. Vass, William C. See Zhang, Ke. Vavassori, Carla. See Giorda, Roberto. Vercher, Jean-Louis. See Gauthier, Gabriel M. Verdoorn, Todd A. See Keinänen, Kari. See also Sommer, Bernd.

Vinson, Charles R. See Shuman, Jon D. Vishny, Robert W. See Shleifer, Andrei. Vogelstein, Bert. See Baker, Suzanne J. Voulalas, Pamela. See Maier, Jeanette A. M.

Wadsworth, Harry L.; Chazenbalk, Gregorio D.; Nagayama, Yuji; Russo, Diego; Rapoport, Basil: An insertion in the human thyrotropin receptor critical for high af aty hormone binding. p1423 21 Sep 1990. Wafford, K. A.; Burnett, D. M.; Dunwiddie, T.

V.; Harris, R. A.: Genetic differences in the ethanol sensitivity of GABA_A receptors expressed in Xenopus oocytes. p291 20 July 1990. Wahl, Matthew I. See Todderud, Gordon.

Waide, P. A. See Wong, Joe.

Waldrop, M. Mitchell (news): Astronomers survey Hubble damage. pl12 13 July 1990. Astronomers try to put Mauna Kea "into space" p987 31 Aug 1990. A base dispute. p472 3 Aug 1990. A go-ahead for Mount Graham? p988 31 Aug 1990. Hubble: the case of the single-point failure. p735 17 Aug 1990. Hubble: it could have been worse. p342 20 July ble: it could have been worse. p242 20 July 1990. Hubble managers start to survey the damage. p25 6 July 1990. The investigators. p114 13 July 1990. Keck telescope ushers in a new era. p1244 14 Sep 1990. Mirror, mirror, in the sky... p736 17 Aug 1990. Mount Graham up in the air. p26 6 July 1990. Of politics, pulsars, death spirals—and LIGO. p1106 7 Sep 1990. A question of time. p113 13 July 1990.

Wallace, Margaret R.; Marchuk, Douglas A.; Andersen, Lone B.; Letcher, Roxanne; Odeh, Hana M.; Saulino, Ann M.; Fountain, Jane W.; Brereton, Anne; Nicholson, Jane; Mitchell, Anna L.; Brownstein, Bernard H.; Collins, Francis S.: Type 1 neurofibromatosis gene: identification of a large transcript disrupted in three NF1 patients. p181 13 July 1990.

Wallny, Hans-Joachim. See Rötzschke, Olaf. Walsh, Annemarie. See Ito, Yasushi.

Walton, Michael; Jayne, Bruce C.; Bennet, Albert F.: The energetic cost of limbless locomotion. p524 3 Aug 1990.

Wang, James C. See Ostrander, Elaine A. Wang, Xiu Chun. See Erickson, John.

Ward, Michael D. and Buttry, Daniel A.: In situ interfacial mass detection with piezoelectric transducers. p1000 31 Aug 1990. Warren, Henry B. See Pier, Gerald B.

Wasson, John T.: Ungrouped iron meteorites in Antarctica: origin of anomalously high abundance. p897 24 Aug 1990.

Waterbury, Julie A. See LaRosa, Gregory J Watkins, Brynmor A.; Dorn, Henry H.; Kelly, Walter B.; Armstrong, Regina C.; Potts, Barbara J.; Michaels, Frank; Kufta, Conrad V.; Dubois-Dalcq, Monique: Specific tropism of HIV-1 for microglial cells in primary human brain cultures. p549 3 Aug 1990. Webb, Deborah S. A.; Shimizu, Yoji; Van Se-

venter, Gijs A.; Shaw, Stephen; Gerrard, The-resa L.: LFA-3, CD44, and CD45: physiologic triggers of human monocyte TNF and IL-1

release. p1295 14 Sep 1990. Webb, Susan R. See O'Rourke, Anne M. Weber, Barbara L.; Westin, Eric H.; Clarke, Michael F.: Differentiation of mouse erythroleukemia cells enhanced by alternatively spliced c-myb mRNA. p1291 14 Sep 1990.

Weeks, Kevin M.; Ampe, Christophe; Schultz, Steve C.; Steitz, Thomas A.; Crothers, Donald M.: Fragments of the HIV-1 Tat protein specifically bind TAR RNA. p1281 14 Sep 1990. Weinhold, Kent. See LaRosa, Gregory J.

Weinmaster, Gerry. See Monuki, Edwin S. Weisfeldt, Myron L. See Weisman, Harlan F. Weisman, Harlan F.; Bartow, Thomas; Leppo, Michelle K.; Marsh, Henry C., Jr.; Carson, Gerald R.; Concino, Michael F.; Boyle, Michael P.; Roux, Kenneth H.; Weisfeldt, Myron L.; Fearon, Douglas T.: Soluble human complement receptor type 1: in vivo inhibitor of complement suppressing post-ischemic myocardial inflammation and necrosis. p146 13 July 1990.

Weiss, Stephen J. See Rice, William G.

Werner, Pia. See Keinänen, Kari. Wertsh, James V. and Tulviste, Peter: review of Apprenticeship in Thinking, by Barbara Rogoff.

p684 10 Aug 1990. Wesson, Laura. See Hill, Christopher P. Westermann, Gerd E. G. See Smith, Paul L. Westin, Eric H. See Weber, Barbara L

Whangbo, M.-H. and Torardi, C. C.: Hole density dependence of the critical temperature and coupling constant in the cuprate superconductors. p1143 7 Sep 1990.

White, Thomas J. See Persing, David H. Whiteway, Malcolm. See Finegold, Alan A. Wichmann, Thomas. See Bergman, Hagai. Wideburg, Norman. See Erickson, John. Wierzbicki, Jacek. See Maruyama, Yosh.

Wilbur, Henry M.: review of Ecological Experiments, by Nelson G. Hairston, Sr. p1313 14 Sep 1990.

Wilkening, Laurel L.: review of Asteroids II, edited by Richard P. Binzel, Tom Gehriels, and Mildred Shapley Matthews. p1053 31 Aug

Williams, Jack M.: review of Organic Superconductors, by T. Ishiguro and K. Yamaji. p1053 31 Aug 1990.

Willson, James K. V. See Baker, Suzanne J. Wilson, Robert. See Kennan, John. Wilson, Susan. See Zimarino, Vincenzo. Winckler, J. R. See Franz, R. C.

Winterhalder, Bruce: review of Bad Year Eco-nomics, edited by Paul Halstead and John O'Shea. p1052 31 Aug 1990.

Wisden, William. See Keinänen, Kari. See also Sommer, Bernd.

Wisdom, J. See Polvani, L. M. Witten, Matthew. See Finch, Caleb E. Wittinghofer, Alfred. See Frech, Matthias. Wolf, G. H. See Green, J. L.

Wong, G. G. See Sokol, S. Wong, Joe; Larson, E. M.; Holt, J. B.; Waide, P. A.; Rupp, B.; Frahm, R.: Time-resolved x-ray diffraction study of solid combustion reactions. p1406 21 Sep 1990.

Woodward, Scott R. See Olivera, Baldomero M. Worledge, D. H.: Cold fusion at Texas A&M (letter). p463 3 Aug 1990.

Wright, Andrew. See Amster-Choder, Orna. Wright, Karen (news): Bad news bacteria. p22 6 July 1990. The policy response: in limbo. p24 6 July 1990.

Wright, Peter E. See Hughson, Frederick M. Wright, Samuel D. See Schumann, Ralf R.

; Ramos, Robert A.; Tobias, Peter S.; Ulevitch, Richard J.; Mathison, John C.: CD14, a receptor for complexes of lipopolysaccharide (LPS) and LPS binding protein. p1431 21 Sep

Wu, Carl. See Zimarino, Vincenzo. Wu, Hongyun. See Raycroft, Loretta.

Wuosmaa, Anne Marie and Hager, Lowell P.: Methyl chloride transferase: a carbocation route for biosynthesis of halometabolites. p160 13 July 1990.

Wyche, James H. and Frierson, Henry T., Jr.: Minorities at majority institutions. p989 31

Aug 1990.

Y

Yamamoto, Keith R. See Diamond, Marc I. See also Härd, Torleif.

Yancey, Thomas E. See Stanley, George D., Jr. Yancopoulos, George D. See Boulton, Teri G. Yang, Chi-Ching. See Schafer, William R.

Yang, Joy T.; Saxton, William M.; Stewart, Russell J.; Raff, Elizabeth C.; Goldstein, Lawrence S. B.: Evidence that the head of kinesin is sufficient for force generation and motility in vitro. p42 6 July 1990.

Yang, Wei; Hendrickson, Wayne A.; Crouch, Robert J.; Satow, Yoshinori: Structure of ribonuclease H phased at 2 Å resolution by MAD analysis of the selenomethionyl protein. p1398

21 Sep 1990.

Yarchoan, Robert. See Mitsuya, Hiroaki. Yatani, A.; Okabe, K.; Codina, J.; Birnbaumer, L.; Brown, A. M.: Heart rate regulation by G proteins acting on the cardiac pacemaker chan-nel. p1163 7 Sep 1990.

Yoshinaga, Steven K. See Diamond, Marc I. Young, Douglas. See Born, Willi. Yunis, Adel A. See Hussein, Atif M.

Zangwill, Andrew. See Bales, G. Steven. Zeh, David W .: review of The Biology of Scorpions, edited by Gary A. Polis. p1176 7 Sep 1990.

Zhan, Xi. See Imamura, Toru. Zhang, Ke; Noda, Makoto; Vass, William C.; Papageorge, Alex G.; Lowy, Douglas R.: Identification of small clusters of divergent amino acids that mediate the opposing effects of ras and Krev-1. p162 13 July 1990.

Zimarino, Vincenzo; Wilson, Susan; Wu, Carl: Antibody-mediated activation of Drosophila heat shock factor in vitro. p546 3 Aug 1990.

Zinberg, Dorothy S.: Ph.D. supply and demand (letter). p611 10 Aug 1990. Zugmaier, Gerhard. See Lupu, Ruth.

